

CIVIL GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
2. FIELD VERIFY DIMENSIONS INDICATED AND NOTIFY COR OF DISCREPANCIES.
3. DIMENSIONS ARE IN FEET, TO OUTSIDE FACE OF BUILDING, TO CENTERLINE, CENTER TO CENTER ON STRIPES, AND TO BACK OF CURB, UNLESS OTHERWISE NOTED. CURB AND GUTTER RADI ARE 3" UNLESS OTHERWISE NOTED. COORDINATES PROVIDED TO LOCATED BUILDING CORNERS ARE TAKEN FROM FACE OF BUILDING.
4. ROADWAYS, EMERGENCY VEHICLE CORRIDORS, AND PARKING LOT DRIVE AISLES MUST BE CAPABLE OF ACCOMMODATING FIRE APPARATUS DURING CONSTRUCTION.
5. EXCAVATIONS MUST BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH WORK PERIOD, AND EQUIPMENT AND SUPPLIES RETURNED TO THE CONSTRUCTION STAGING AREA.
6. RESTORE LAY DOWN AND STAGING AREAS TO ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE CONTRACTING OFFICER, PRIOR TO DEMOBILIZATION AT THE CONCLUSION OF THE PROJECT.
7. NORTHING AND EASTING COORDINATES FOR UTILITY AND DRAINAGE STRUCTURES INDICATE CENTER OF STRUCTURE SYMBOL ON THE SITE PLAN (CIRCLES FOR MANHOLES, SQUARES FOR ALL OTHER INLETS). FIELD ADJUST STRUCTURE LOCATIONS BASED ON THE ACTUAL DIMENSIONS OF THE STRUCTURE. NORTHING AND EASTING COORDINATES FOR FLARED END SECTION INDICATE END OF PIPE CENTERLINE.
8. PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NCDOT ROADWAY STANDARDS AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
9. COMPLY WITH STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE.
10. UTILITIES AND STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
11. WASTE MATERIAL GENERATED FROM DEMOLITION OF STRUCTURES/UTILITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS.
12. VERIFY ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. EXERCISE REASONABLE EFFORTS TO PROTECT UNKNOWN UNDERGROUND ELEMENTS. NOTIFY THE CONTRACTING OFFICER AND COR IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
13. PROTECT ADJACENT PROPERTIES, THE GENERAL PUBLIC AND THE OWNER'S FACILITIES FROM CONSTRUCTION DAMAGE. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE CONTRACTING OFFICER.
14. WORK SHALL BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL CONSTRUCTION AND SAFETY STANDARDS, SPECIFICATIONS AND DETAILS.
15. THERE ARE NO WETLANDS IDENTIFIED WITHIN THE LIMITS OF DISTURBANCE. THIS PROJECT SHALL NOT DISTURB WETLAND AREAS.
16. CONSTRUCTION SHALL BE PLANNED TO ALLOW ACCESS TO THE ADJACENT SITES AND BUILDINGS THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE OF WORK TO THE COR FOR APPROVAL WHICH DETAILS CONSTRUCTION START AND CONSTRUCTION COMPLETION. PROVIDE WORK FLOW PLANS AND SCHEDULE OF WORK PRIOR TO STARTING ANY WORK. SAID SCHEDULE SHALL ADHERE TO SPECIFIC SCHEDULE AND PHASING REQUIREMENTS SHOWN AND NOTED THROUGHOUT THESE CONTRACT DOCUMENTS.
17. THE CONTRACTOR SHALL NOT BE ALLOWED TO DRIVE OR PARK ON ANY PROPERTY OTHER THAN VA ROADS AND ASSIGNED AREAS WITHOUT CONSENT OF COR. CONTRACTOR MAY ONLY PARK IN CONTRACTOR'S PARKING LOT WITHOUT VARIANCE FROM COR.
18. THE CONTRACTOR SHALL LOCATE ALL STORAGE TRAILERS AND OFFICE TRAILERS IN DESIGNATED AREA(S) TO BE DETERMINED BY COR.
19. THE CONTRACTOR SHALL INSURE THAT NO SMOKING IN OTHER THAN AREAS OFFICIALLY MARKED AS SMOKING AREAS WILL BE PERMITTED ON VA PREMISES.
20. THE CONTRACTOR SHALL UNDER NO CIRCUMSTANCES INSTALL ANY WORK ON VA PREMISES THAT CONTAINS LEAD.
21. THE CONTRACTOR SHALL INSURE THAT EACH WORKER WILL BE REQUIRED TO WEAR APPROPRIATE SAFETY EQUIPMENT AT ALL TIMES (I.E. SAFETY SHOES, EAR PLUGS, SAFETY GLASSES OR GOGGLES, SAFETY HELMET, ETC.) AND IS RESPONSIBLE TO ENSURE THAT NON-WORKERS ARE PREVENTED FROM INJURING THEMSELVES IN ANY WORK AREA.
22. THE CONTRACTOR SHALL NOT INSTALL ANY MATERIALS OR EQUIPMENT UNTIL SUBMITTALS FOR SUCH HAVE BEEN APPROVED IN WRITING BY BOTH THE A/E AND THE VA.
23. THE CONTRACTOR SHALL INSURE THAT ALL TOOLS USED IN THIS PROJECT BE PROPERLY SECURED AT ALL TIMES TO PREVENT ANY OF THESE TOOLS BEING A HAZARD TO PATIENTS.
24. ALL AREAS THAT ARE DISTURBED DUE TO DIRECT OR INDIRECT CONSTRUCTION OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION PRIOR TO BEING DISTURBED. EXISTING OUTSIDE UNDERGROUND UTILITIES SHALL BE PROTECTED AT ALL TIMES. DAMAGES CAUSED BY NEW WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE VA. ANY DAMAGES SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION.
25. THE CONTRACTOR SHALL ARRANGE FOR ALL EQUIPMENT AND MATERIAL DELIVERIES FOR THIS PROJECT EITHER BE MADE AT THE CONTRACTOR'S STORAGE SITE, OR AT THE SPECIFIC INSTALLATION OR USAGE SITE.. ALL EQUIPMENT MATERIAL AND PRODUCTS WILL BE RECEIVED ONLY BY THE CONTRACTOR UPON DELIVERY AND WILL NOT BE RECEIVED OR HANDLED BY VA.
26. CONTRACTOR SHALL CREATE AND MAINTAIN TWO (2) CURRENT COPIES OF AS BUILT DRAWINGS ON-SITE AT ALL TIMES. THE CONTRACTOR MUST PROVIDE RED LINE AS BUILT DRAWINGS TO THE A/E A MINIMUM OF TWO WEEKS BEFORE REQUESTING FINAL INSPECTION. A COPY OF THE TRANSMITTAL IS TO BE SENT TO THE COR CONCURRENTLY.

CIVIL GENERAL NOTES (CONT)

28. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING I.D. BADGES FOR EACH MEMBER OF HIS WORK FORCE BEFORE ANY MEMBER WILL BE ALLOWED TO PERFORM WORK ON VA PREMISES.
29. THE CONTRACTOR SHALL PICK UP A COPY OF A BLANK "HOT WORK" PERMIT FROM THE COR AND MAKE APPROPRIATE COPIES TO ALLOW HOT WORK PERMITS TO BE FILLED OUT BY THE CONTRACTOR AND SIGNED BY THE SAFETY MANAGER BEFORE ANY "HOT WORK" IS DONE. PERMIT REQUESTS SHALL BE SUBMITTED A MINIMUM OF 48 HOURS IN ADVANCE OF SCHEDULED WORK.
30. THE CONTRACTOR SHALL INSURE THAT ANY SMOKE DETECTORS HAVING ANY POTENTIAL FOR EXPOSURE TO CONSTRUCTION SMOKE, DUST & DEBRIS SHALL BE SUITABLY ATTENDED TO, TO PREVENT ACCIDENTAL ALARM. ALL SUCH ACTION MUST BE FIRST COORDINATED AND CLEARED WITH COR, THE VA SAFETY MANAGER, AND THE VA SAFETY SPECIALIST. ALL FIRE ALARM DEVICES SHALL BE ACTIVE WHEN CONTRACTOR'S FORCES ARE VACANT FROM ANY AREA AT ANY TIME.
31. WHEN IT IS NECESSARY TO BARRICADE AN AREA FOR EXCAVATION, MOVING EQUIPMENT, ETC. BARRICADES AND OTHER RESTRICTIONS AND/OR WARNING DEVICES ARE TO BE PROVIDED BY THE CONTRACTOR. CLOSURES OF STREETS, PARKING LOTS AND OTHER TRAFFIC AREAS WILL NOT BE PERMITTED UNLESS APPROVED BY THE COR.
32. NEW WORK SHALL BE STAGED OR PERFORMED TO PROVIDE MINIMUM INTERRUPTIONS OF SERVICE TO ESSENTIAL BUILDINGS.
33. ALL STOCKPILES SHALL HAVE A SILT FENCE PLACED AROUND THROUGHOUT CONSTRUCTION.

DEMOLITION NOTES

1. PRIOR TO DEMOLISHING EXISTING STRUCTURES, INSPECT FOR HAZARDOUS MATERIALS. CONTACT CONTRACTING OFFICER AND COR IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED.
2. UTILITIES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND ACCESS CASTING SHALL BE ADJUSTED TO FLUSH WITH NEW GRADE.
3. DEMOLITION AND SUBSEQUENT CONSTRUCTION OF STORM DRAINAGE FACILITIES SHALL BE PERFORMED IN SUCH A MANNER THAT THE OLD PIPE AND STRUCTURES ARE REMOVED AND NEW STRUCTURES AND PIPING ARE IMMEDIATELY PUT INTO SERVICE. ENSURE THAT STORM DRAINAGE DOES NOT REMAIN OUT OF SERVICE FOR LONGER THAN 12 HOURS AT A TIME. PROVISIONS SHALL BE MADE TO MAINTAIN STORM DRAINAGE DURING CONSTRUCTION.
4. WHERE ASPHALT/CONCRETE SECTION IS TO BE REMOVED, PROVIDE A SAW CUT AT THE LIMITS OF DEMOLITION OR NEAREST JOINT TO OBTAIN A CLEAN VERTICAL EDGE.

BORROW AREA NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ENSURING BORROW AREA HAS AN APPROVED EROSION CONTROL PERMIT AND APPROPRIATE MEASURES IN PLACE PRIOR TO LAND DISTURBING ACTIVITY.

STORM DRAINAGE NOTES

1. VERIFY AND COORDINATE DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND UTILITIES CROSSING THE STORM SEWER.
2. THE LOCATIONS OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS ARE APPROXIMATE. STAKE CURB INLET STRUCTURES SUCH THAT INLET TOPS ALIGN HORIZONTALLY WITH NEW CURB LOCATIONS. WHERE NEW STORM SEWERS TIE TO EXISTING SWALES, FIELD ADJUST NEW STORM SEWERS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.
3. ROOF LEADER DRAIN LINES ARE TO BE INSTALLED AT A MINIMUM OF 1% SLOPE.
4. RCP SHALL BE CLASS III UNLESS OTHERWISE NOTED. ALL RCP SHALL HAVE RUBBER JOINTS MEETING ASTM C443.
5. FLARED END SECTIONS SHALL BE PRECAST CONCRETE.
6. OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY AND WEEKENDS UNTIL BOXES ARE CONSTRUCTED.
7. STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.

SIGNAGE, STRIPING, AND MARKING NOTES

1. CROSSWALKS SHALL BE MARKED WITH THERMOPLASTIC MATERIALS AND CONSTRUCTED IN ACCORDANCE WITH NCDOT SPECIFICATIONS. CONTRACTOR SHALL INSTALL CROSSWALKS IN SUCH A MANNER THAT CROSSWALKS ARE ALIGNED BETWEEN HANDICAP/WALKWAY ACCESS POINTS OR PERPENDICULAR TO THE ROADWAY/DRIVE LANE.
2. HANDICAP STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN.
3. STANDARD R7-8a RESERVED PARKING AND MAXIMUM PENALTY \$250 NCGS 20-37.6 SIGNS SHALL BE INSTALLED IN FRONT OF THE HANDICAPPED PARKING SPACES. VAN ACCESSIBLE SIGN(S) SHALL BE PROVIDED IN FRONT OF VAN ACCESSIBLE SPACES.

EROSION CONTROL NOTES

1. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE.
2. DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NOTIFY THE COR IN WRITING IF DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID FOR WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN OR FOR ACTIONS TAKEN BEFORE FORMAL RESPONSE FROM THE COR.
3. PROTECT EXISTING DRAINAGE FEATURES WITH EROSION CONTROL MEASURES WITHIN LIMITS OF WORK UNTIL AREA DRAINING TO FEATURE IS STABILIZED.
4. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
5. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO GRADING ON SITE.
6. EROSION AND SEDIMENT CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
7. CONSTRUCTION, MAINTENANCE AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTROL DEVICES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES (NCDENR, DEMLR) EROSION AND SEDIMENT CONTROL PLANNING LAND DESIGN MANUAL AND THE CITY OF FAYETTEVILLE.
8. PROTECT POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. MATERIALS DEPOSITED ONTO ROADS SHALL BE REMOVED IMMEDIATELY.
9. ADDITIONAL MEASURES, BEYOND APPROVED PERMITTED DESIGN, TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A LOCAL REPRESENTATIVE OF THE STATE, CITY, OR COUNTY.
10. GRADING BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THE PLAN IS A VIOLATION OF THE STATE EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
11. REFER TO APPROVED EROSION AND SEDIMENT CONTROL PLANS FOR CLEARING LIMITS AND TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
12. INSPECT EROSION AND SEDIMENT CONTROL MEASURES DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION UNTIL, SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM COR. SLOPES, PERIMETER DIKES, SWALES AND DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES, AS SOON AS POSSIBLE BUT NO LATER THAN SEVEN (7) CALENDAR DAYS AFTER ESTABLISHMENT. AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED. MAINTENANCE SHALL BE PERFORMED TO ENSURE CONTINUED STABILIZATION. (REQUIREMENT FOR STABILIZATION MAY BE REDUCED TO THREE (3) DAYS FOR SENSITIVE AREAS.)
13. APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO DISTURBED AREAS AND STOCKPILES WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED TO ENSURE CONTINUED STABILIZATION. (REQUIREMENT MAY BE REDUCED TO THREE (3) DAYS FOR SENSITIVE AREAS.) NOTE: EARTHEN MATERIAL STOCKPILES MUST BE LOCATED 50 FEET FROM STORM DRAINS AND STREAMS.
14. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, STABILIZE AND ESTABLISH PERMANENT STABILIZATION FOR CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN DONE TO PROMOTE SHEET FLOW DRAINAGE. AREAS (3:1 OR FLATTER) BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE, BUT NOT LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER ESTABLISHMENT.

SIDEWALK/PAVING/CURBING NOTES

1. INSTALL EXPANSION JOINT WHERE CONCRETE SIDEWALKS CONNECT TO EXISTING CONCRETE SIDEWALKS.
2. FREE CONCRETE PAVEMENT EDGES ABUTTING GRASSED, GRAVEL OR ASPHALT PAVEMENT SHALL BE THICKENED.
3. CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAY'S PLACING OPERATIONS AND WHEN CONCRETE PLACEMENT IS INTERRUPTED FOR 30 MINUTES OR LONGER.
4. ODD SHAPED SLABS AND SLABS WITH PENETRATIONS (FOR UTILITIES, BOLLARDS, ETC.) SHALL BE REINFORCED WITH WWF (6x6-W4xW4) IN CENTER OF SLAB WHETHER INDICATED OR NOT.
5. SLOPE OF PAVEMENT WITHIN HANDICAPPED PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% IN EVERY DIRECTION.
6. HANDICAP RAMPING SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN.

GENERAL UTILITY NOTES

1. FIELD VERIFY THE ACTUAL AND EXACT LOCATION, SIZE AND MATERIAL COMPOSITION OF EXISTING UTILITIES SHOWN FOR CONNECTION OR USE ON THIS PROJECT. THE RELOCATION OF UTILITIES REQUIRED TO COMPLETE PORTIONS OF THESE CONSTRUCTION PLANS SHALL BE PROVIDED BY THE CONTRACTOR.
2. A NORTH CAROLINA LICENSED UTILITY CONTRACTOR SHALL PERFORM UTILITY WORK INVOLVED IN CONSTRUCTING THIS PROJECT.
3. STATE WATER AND SEWER PERMITS ARE REQUIRED. PERMITS ARE ISSUED BY THE CITY OF FAYETTEVILLE. NO INSTALLATION OF THESE UTILITIES SHALL BE DONE PRIOR TO RECEIVING THESE PERMITS.
4. ISOLATE NEW PIPING FROM EXISTING PIPING UNTIL NEW PIPING HAS BEEN TESTED AND ACCEPTED FOR SERVICE.
5. EXISTING UTILITIES SHALL BE PROTECTED DURING CONSTRUCTION. HAND EXCAVATE WHEN ADJACENT TO EXISTING UTILITIES.
6. NOTIFY AND RECEIVE APPROVAL FROM THE CONTRACTING OFFICER AT LEAST 10 DAYS PRIOR TO UTILITY DISRUPTION.
7. THE UTILITY DRAWINGS DO NOT SHOW EVERY OFFSET, TRANSITION, AND FITTING THAT MAY BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINATION OF AND PROVIDING FITTINGS NECESSARY FOR COMPLETION OF THE SYSTEM.

WATER NOTES

1. PRIOR TO BEGINNING STRUCTURAL CONSTRUCTION OF THE BUILDING(S), VERIFY WITH THE CONTRACTING OFFICER THAT ACCEPTABLE AND OPERATIONAL FIRE HYDRANTS ARE AVAILABLE AND WITHIN AN ACCEPTABLE PROXIMITY TO THE BUILDING(S).
2. MINIMUM UTILITY SEPARATIONS:
 - SANITARY SEWER 18-INCHES – SEWER JOINTS AS FAR AS POSSIBLE FROM WATER MAIN JOINTS (VERTICAL—WATER OVER SEWER INCLUDING IN BENCHMARK TRENCHES)
10 FEET (HORIZONTALLY FROM EDGE OF PIPE)
 - STORM SEWER 12-INCHES (VERTICAL)
3. WHERE REQUIRED VERTICAL AND HORIZONTAL SEPARATION IS NOT POSSIBLE BOTH THE WATER MAIN AND SEWER SHALL BE DESIGNED AND CONSTRUCTED OF FERROUS PIPE COMPLYING WITH PUBLIC WATER SUPPLY DESIGN STANDARDS AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

SANITARY SEWER NOTES

1. CLEANOUT SYMBOLS SHOWN ON THESE PLANS REPRESENT LOCATION OF SURFACE ACCESS POINT. LOCATE WYE APPROPRIATELY BASED ON PIPE DEPTH.
2. SPACE CLEANOUTS AT 100 FEET MAXIMUM. LOCATE CLEANOUTS AT VERTICAL AND HORIZONTAL CHANGES OF DIRECTION.
 MINIMUM SLOPE:
 4" SEWER SERVICE - 1.00% SLOPE
 6" SEWER SERVICE - 0.60% SLOPE
 8" SEWER SERVICE - 0.40% SLOPE
3. MANHOLES LOCATED IN GRASS SHALL HAVE THEIR RIMS SET AT GRADE (UNLESS OTHERWISE INDICATED BY RIM ELEVATION).
4. WHERE EXISTING SERVICE/MAIN IS REMOVED FROM AN EXISTING UTILITY STRUCTURE, PERMANENTLY PLUG OPENINGS THROUGH STRUCTURE WALL.
5. PROVIDE 24" VERTICAL SEPARATION BETWEEN STORM SEWER AND SANITARY SEWER

GENERAL GRADING NOTES

1. WHERE FILL IS TO BE PLACED ON EXISTING SLOPES STEEPER THAN 4:1, CONTRACTOR SHALL EXCAVATE BENCHES WITH A MAXIMUM DEPTH OF 3'.
2. COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON SLOPES STEEPER THAN 3:1.
3. TOP OF WALL ("TW") AND BOTTOM OF WALL ("BW") GRADES SHOWN ON THESE PLANS REPRESENT FINISHED GROUND ADJACENT TO WALL.
4. BUILDINGS SHALL HAVE 6" REVEAL IN LANDSCAPE AREAS UNLESS OTHERWISE SPECIFIED.
5. ENSURE POSITIVE DRAINAGE AWAY FROM NEW AND EXISTING BUILDINGS.

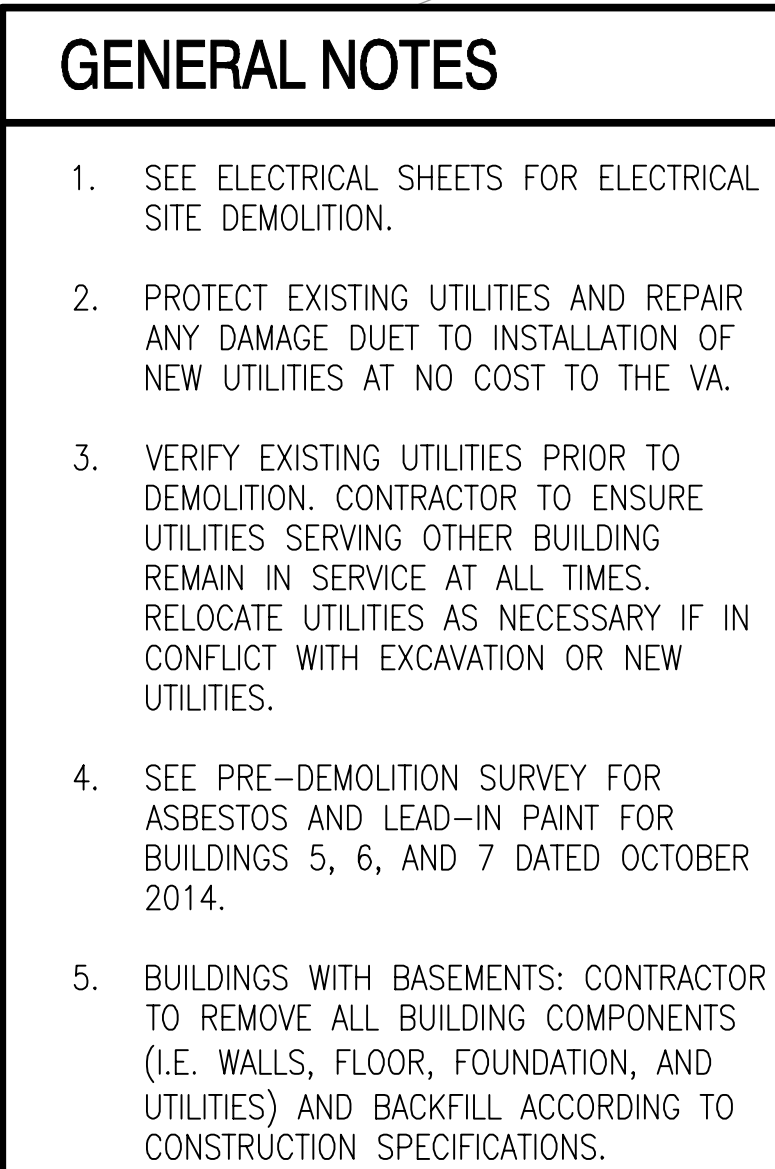
ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	MG	MATCH GRADE	TMH	TELEPHONE MANHOLE
BC	BACK OF CURB	MIN	MINIMUM	T.O.B.	TOP OF BANK
BLDG	BUILDING	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	T.O.S.	TOE OF SLOPE
BMP	BEST MANAGEMENT PRACTICE	N	NORTH	TP	TREE PROTECTION
CLF	CHAIN LINK FENCE	NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	TYP	TYPICAL
CONC	CONCRETE	OC	ON CENTER	UGC	EXISTING UNDERGROUND COMMUNICATIONS
COND	CONDUIT	OHE	EXISTING OVERHEAD ELECTRIC	WV	WATER VALVE
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PP	POWER POLE	WWF	WELED WIRE FABRIC
DI	DROP INLET	PVC	POLYVINYL CHLORIDE		
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE		
DOR	DESIGNER OF RECORD	R	RADIUS		
E	EAST, EXISTING	RBC	REBAR & CAP		
ELEC MH	ELECTRIC MANHOLE	S	SOUTH/SANITARY SEWER		
ELEV./EL.	ELEVATION	SAN	SANITARY		
EP	EDGE OF ASPHALT PAVEMENT	SAN	FM SANITARY FORCE MAIN		
ES	EXISTING STORM	SD	STORM DRAIN		
EUT	EXISTING UNDERGROUND TELEPHONE	SDMH	STORM DRAIN MANHOLE		
EW	EXISTING WATER, EACH WAY	SF	SILT FENCE		
EX	EXISTING	SHWT	SEASONAL HIGH WATER TABLE		
FES	FLARED END SECTION	SSC	SANITARY SEWER CLEANOUT		
FFE	FINISH FLOOR ELEVATION	SSMH	SANITARY SEWER MANHOLE		
FL	FLOOR LINE	STM	STEAM		
FI	FIRE LINE	SAN MH	SANITARY SEWER MANHOLE		
INVH	INVERT	TC	TOP OF CURB		
LF	LINEAR FEET	TEL PED	TELEPHONE PEDESTAL		
		THK	THICK		

LEGEND

EXISTING	NEW	
		SPOT ELEVATIONS
		CONTOUR
		TREE
		STORM DRAIN
		ROOF DRAIN
		DRAINAGE STRUCTURE
		FLARED END SECTION WITH OUTLET PROTECTION
		LIMIT OF DISTURBANCE
		BOLLARD
		50' PHYSICAL SECURITY SETBACK
		REMOVE TREES
		WATER LINE
		GATE VALVE
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		SANITARY SEWER
		SANITARY SEWER MANHOLE
		SANITARY/STORM CLEANOUT OR DRAIN
		GAS LINE
		SOIL BORING LOCATION
		DEMOLITION
		REINFORCED GRASS GEOGRID
		UTILITY POLE
		SIGN
		CONCRETE
		HEAVY DUTY CONCRETE
		HEAVY DUTY ASPHALT
		PEDESTRIAN CROSSWALK MARKING
		UNDERGROUND UNKNOWN
		UNDERGROUND ELECTRIC
		UNDERGROUND FIBER OPTIC
		OVERHEAD UTILITY
		REMOVE UTILITIES
		REMOVE CURB AND GUTTER
		REMOVE SIGN
		RIGHT-OF-WAY
		FENCE
		WATER METER
		HVAC UNIT
		ELECTRICAL METER
		ELECTRICAL BOX
		TRANSFORMER
		GUY WIRE
		ELECTRICAL MANHOLE
		CABLE PEDESTAL
		FIBER OPTIC PEDESTAL
		CONNECT TO EXISTING

[illegible]



#	DEMOLITION NOTES
1.	REMOVE PAVEMENT SECTION
2.	REMOVE CURB AND GUTTER
3.	REMOVE BUILDING, SEE GENERAL NOTE # 4 AND 5
4.	REMOVE CONCRETE WALK
5.	REMOVE TREE
6.	REMOVE LIGHT POLE
7.	REMOVE SIGN
8.	SAWCUT ASPHALT/CONCRETE
9.	REMOVE FLAG POLE
10.	REMOVE CONCRETE STEPS/RAMP
11.	REMOVE FENCE
12.	REMOVE WATER LINE
13.	REMOVE SANITARY SEWER MANHOLE
14.	REMOVE SANITARY SEWER CLEANOUT
15.	REMOVE SANITARY SEWER LINE
16.	REMOVE A/C UNIT
17.	REMOVE STORM SEWER PIPE
18.	REMOVE STORM STRUCTURE
19.	MILL PAVEMENT MARKINGS
20.	REMOVE BENCH
21.	REMOVE FIRE HYDRANT
22.	CONVERT STORM STRUCTURE TO DROP INLET
23.	ABANDON EXISTING WATER LINE
24.	CUT, CAP, AND ABANDON EXISTING WATER LINE AT VALVE
25.	REMOVE VEGETATION
26.	CONVERT STORM STRUCTURE TO CURB INLET

STORM SCHEDULE

FES #0450 INV 177.34(12759)	SMH1 #11124 RM 190.08 INV 177.79(13122) INV OUT 177.72(1442)	SMH1 #0953 RM 187.82 INV 182.90(#652) INV OUT 182.51(300)
CI #2759 HODD 182.31 INV 178.98(13344) INV OUT 178.90(#450)	SMH1 #1322 RM 188.44 INV 178.43(11124) INV OUT 178.18(11002)	CI #0652 HODD 188.06 INV 182.98(FROM THE NORTH) THE REST OF THE INVERTS ARE INACCESSIBLE AT THE TOP OF SURVEY
CI #3334 HODD 184.41 INV 178.98(13290) INV IN XXX-XX(1378) INV OUT 178.90(12759)	PO #4024 INV 171.66(13349)	CI #0622 HODD 187.78 INV 182.59(#652)
CI #2185 HODD 195.42 INV IN 192.20(13231) INV OUT 192.34(13344)	CI #3349 HODD 193.15 INV IN 175.20(10936) INV OUT 175.06(14024)	CI #3334 HODD 188.78 INV OUT 184.60(#652)
CI #2121 HODD 195.49 INV OUT 176.41(12285)	SDMH #10938 RM 191.61 INV IN 175.96(10855) INV OUT 175.91(13349)	CI #3168 HODD 183.13 INV IN 175.99(13151)
DI #3291 HODD 187.02 INV IN 184.28(13304) INV OUT 184.16(13344)	CI #10855 HODD 190.01 INV IN 176.34(10869) INV OUT 176.37(10938)	CI #3151 HODD 185.68 INV OUT 176.74(13166)
CI #1304 HODD 187.61 INV IN 185.10(12532) INV OUT 185.08(13291)	SMH1 #10639 RM 188.88 INV IN 176.41(10728) INV OUT 175.88(10855)	CI #3284 HODD 178.36(BROKEN) INV IN 173.80(13211)

CI #2152	CI #0728	CI #3211
INV 188.01	HOOD 187.75	HOOD 186.70
INV OUT 185.222(1#3304)	INV IN 177.05(1#0633)	INV IN 174.82(1#6555)
	INV OUT 176.96(1#0669)	INV OUT 174.97(1#3284)
PO #14025	SDMH #10633	PO #8555
INV 175.57(1#1652)	SDMH 186.30	INV OUT 174.66(1#3211)
SDMH #11652	INV IN 177.77(1#0483)	
IRN 193.52	INV OUT 177.30(1#0726)	CI #3386
INV IN 183.94(1#1742)		HOOD 183.72
INV IN 176.45(1#1192)	SDMH #10483	INV IN 180.16(1#3231)
INV OUT 175.62(1#4025)	IRN 186.78	
SDMH #11472	INV IN 183.66(1#)	CI #3231
IRN 191.47	INV IN 182.37(1#9832)	HOOD 184.01
INV IN 184.54(1#1852)	INV IN 182.30(1#)	INV OUT 180.91(1#3386)
INV IN 184.61(1#2011)	INV IN 182.26(1#)	(FILLED W/ DEBRIS)
INV OUT 184.48(1#1652)	INV OUT 182.29(1#0633)	
	CI #9832	CI #3387
CI #1815	HOOD 185.47	HOOD 187.19
HOOD 180.36	INV IN 182.68(1#9794)	INV IN 184.16(1#3242)
INV IN 180.01(1#9933)	INV OUT 182.80(1#0483)	
INV OUT 180.18(1#11742)	INV STR 181.01	CI #3242
INV STR 182.68	CI #9794	HOOD 187.54
CI #9933	HOOD 186.08	INV IN 184.64(1#3379)
HOOD 190.99	INV OUT 183.24(1#9832)	INV OUT 184.56(1#3387)
INV OUT 186.11(1#1815)		CI #3379
	CI #10643	HOOD 191.36
SDMH #12011	GRATE 185.86	INV IN 188.94(1#3392)
IRN 192.41	INV IN 184.84(1# PVC)	INV OUT 188.66(1#3242)
INV OUT 185.43(1#1742)	INV IN 183.29(1#0634)	
	INV OUT 182.85(1#)	CI #3382
SDMH #11492	CI #10634	HOOD 192.13
IRN 191.01	GRATE 185.95	INV OUT 189.73(1#3379)
INV IN 177.10(1#1124)	INV OUT 183.69(1#0643)	
INV OUT 176.78(1#1652)		

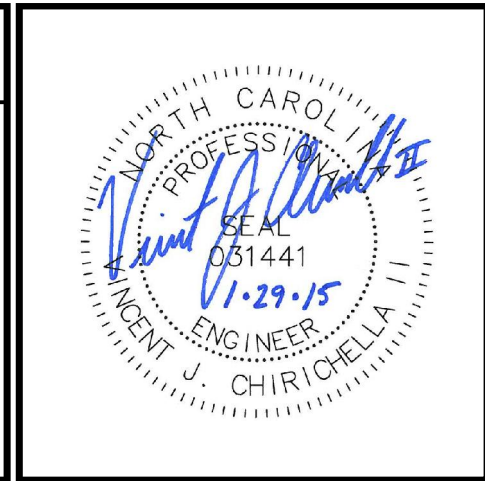
GRAPHIC SCALE

1" = 30'

0 30' 60' 116'

[illegible]

CONSULTANTS:	<p>CLARK♦NEXSEN</p> <p>440 MARTIN LUTHER KING, JR. BLVD MACON, GEORGIA 31201</p> <p>478-743-8415 FAX: 478-743-8239 WWW.CLARKNEXSEN.COM CLARK NEXSEN LICENSE #C-1028</p>
--------------	---



ARCHITECT/ENGINEERS:

 **TOLAND**
MIZELL
MOLNAR

590 MEANS ST NW ATLANTA GA 30318

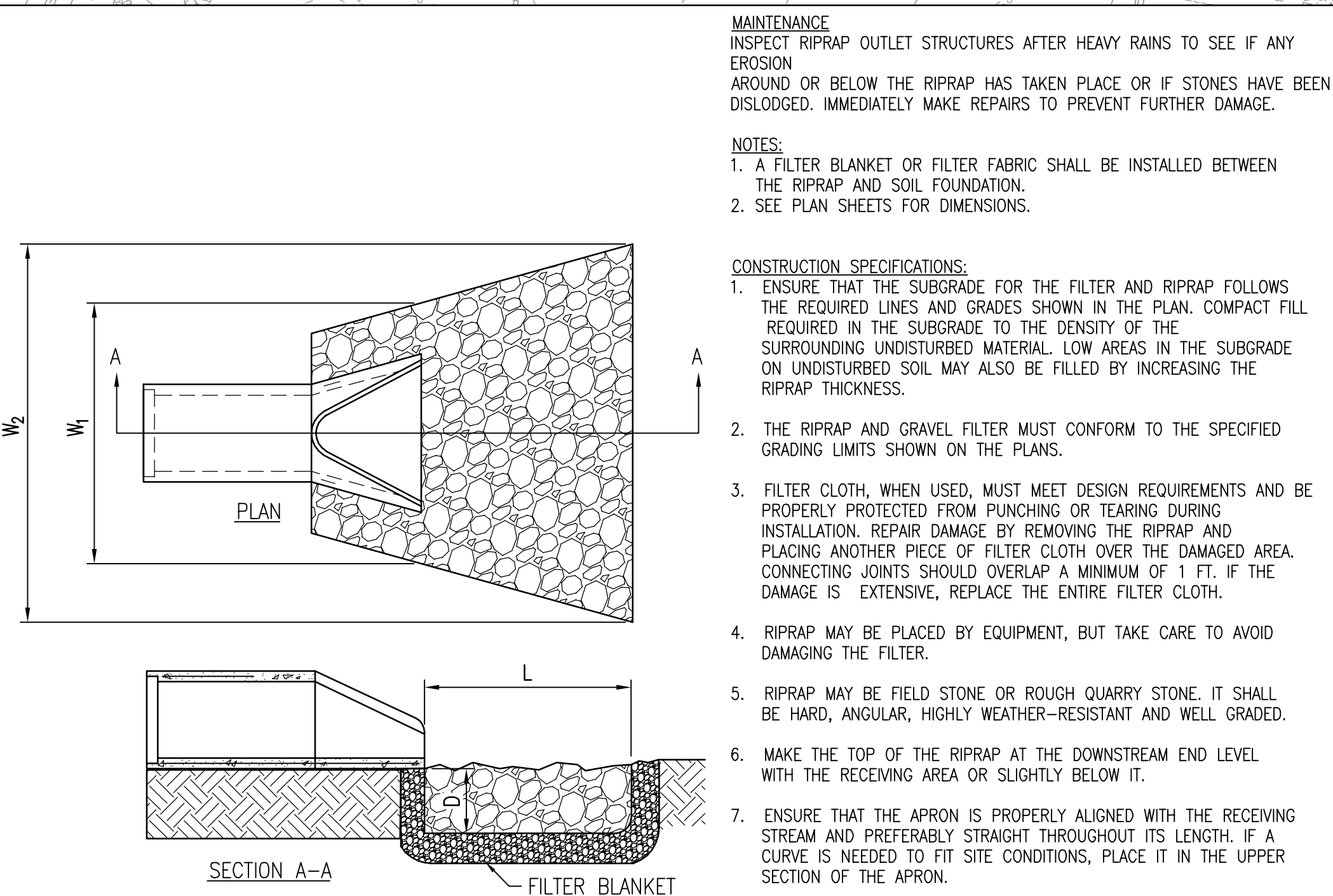
Drawing Title:	
EXISTING CONDITIONS AND DEMOLITION PLAN	
Approved: Project Director	

Project Title:		
FAYETTEVILLE CLC PROJECT ONE		
Location:		
FAYETTEVILLE, NC		
Date:	Checked:	Drawn:
February 5, 2015	WC	RBf

Project Number:	565-131
Building Number:	.
Drawing Number:	CD101
Dwg.	of .

 Department of
Veterans Affairs

Project Number:	565-131
Building Number:	.
Drawing Number:	CS102
Dwg.	of .

[illegible]

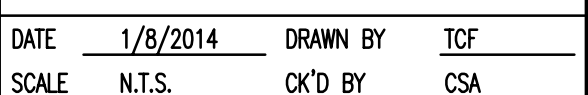
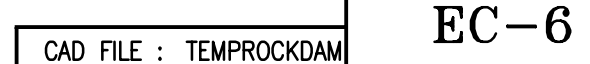
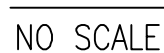
CLARK♦NEXSEN
440 MARTIN LUTHER KING, JR. BLVD
MACON, GEORGIA 31201
478-743-8415 FAX 478-743-8239
WWW.CLARKNEXSEN.COM
CLARK NEXSEN LICENSE #C-1028

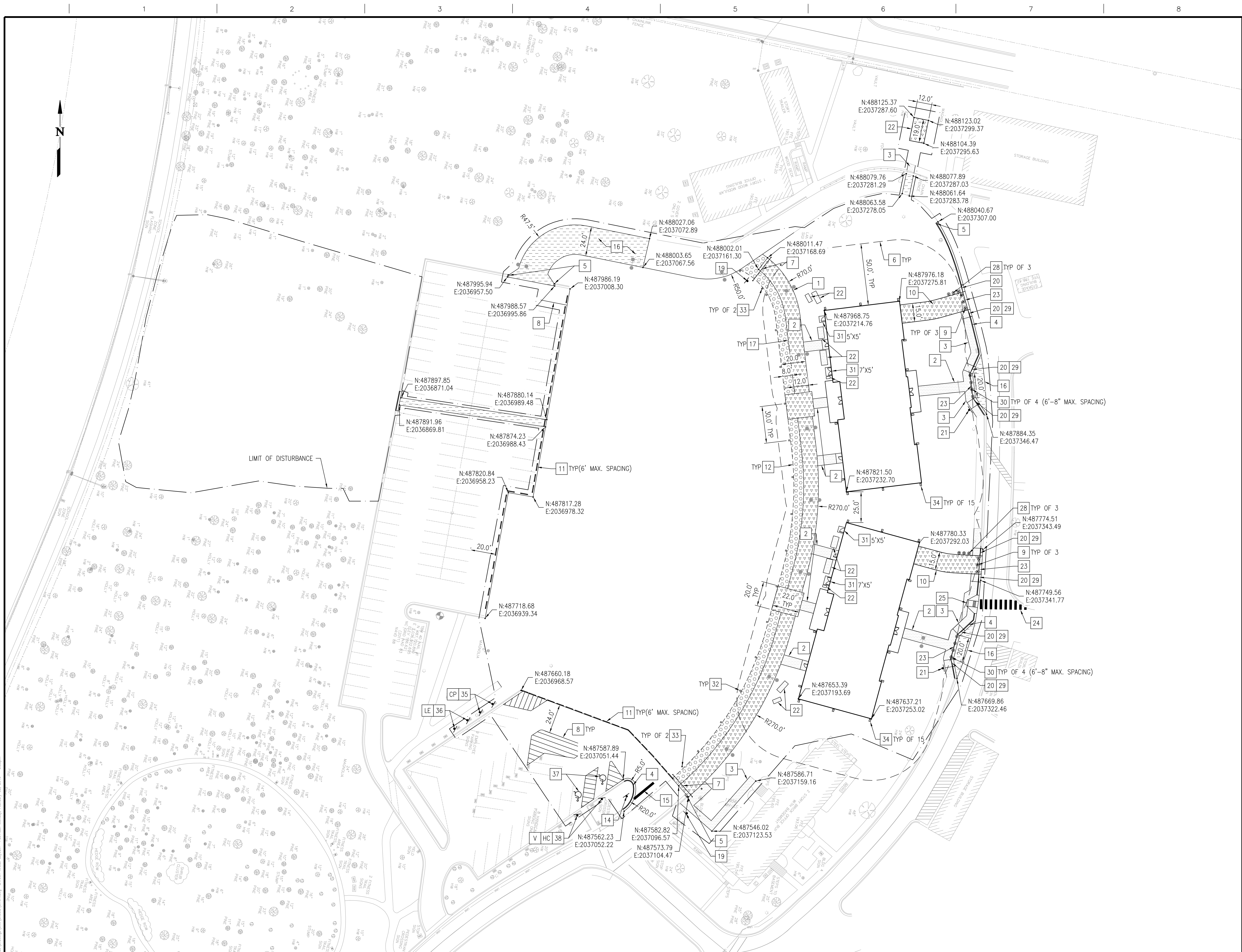


LINEAL FOOT

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 Veterans Affairs

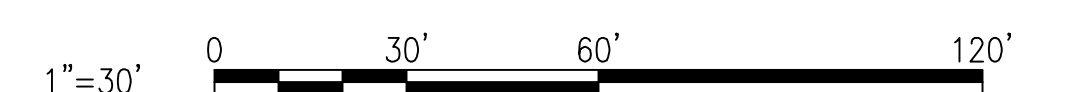
[illegible] Department of
Veterans Affairs Department of
Veterans Affairs



CONSTRUCTION NOTES

1. 12' WIDE CONCRETE PEDESTRIAN WALK/EMERGENCY VEHICLE ACCESS
2. 8' WIDE CONCRETE SIDEWALK
3. 6' WIDE CONCRETE SIDEWALK
4. 24" CURB AND GUTTER
5. CURB WIPEDOWN
6. 50' STAND-OFF DISTANCE
7. 24" FARM GATE
8. 4" PAINTED SOLID WHITE STRIPE
9. REMOVABLE BOLLARD
10. 15' WIDE ACCESS DRIVE
11. CONCRETE WHEEL STOP
12. 8' WIDE REINFORCED TURF
13. NOT USED
14. STOP SIGN
15. 24" WIDE STOP BAR
16. HEAVY DUTY ASPHALT
17. HEAVY DUTY CONCRETE
18. NOT USED
19. "AUTHORIZED VEHICLES ONLY" SIGN
20. CURB TRANSITION
21. "PASSENGER LOADING AND UNLOADING ONLY" SIGN
22. CONCRETE EQUIPMENT PAD
23. 24" VALLEY GUTTER
24. HI-VISIBILITY PEDESTRIAN CROSSWALK
25. WHEEL CHAIR RAMP
26. NOT USED
27. CONCRETE STEPS
28. REMOVABLE BOLLARD SLEEVES
29. SIDEWALK RAMP
30. PERMANENT BOLLARD
31. CONCRETE STOOP
32. EMERGENCY VEHICLE ACCESS DELINEATOR
33. GATE KEEPER
34. CONCRETE SPLASH BLOCK
35. CARPOOL VEHICLE PARKING SIGN
36. LE/FE VEHICLE PARKING SIGN
37. ADA ACCESSIBLE PARKING SYMBOL
38. "HANDICAP PARKING" SIGN

GRAPHIC SCALE



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OFFICE OF
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AND FACILITIES
MANAGEMENT

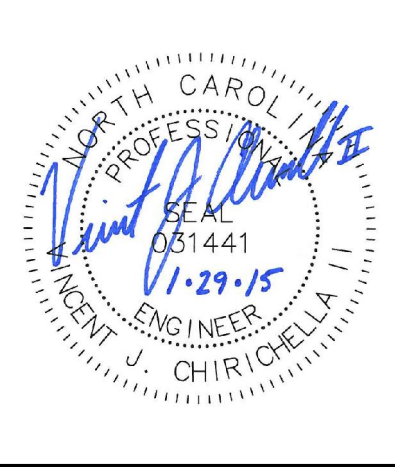
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CONSULTANTS:

CLARK♦NEXSEN

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CLARK NEXSEN LICENSE #C-1028



ARCHITECT/ENGINEERS:



590 MEANS ST NW ATLANTA GA 30318

Drawing Title:

SITE PLAN

Approved: Project Director

Project Title:	
----------------	--

FAYETTEVILLE CLC
PROJECT ONE

Location:	FAYETTEVILLE, NC
-----------	------------------

Date:
February 5, 2015

Checked:	
VIC:	

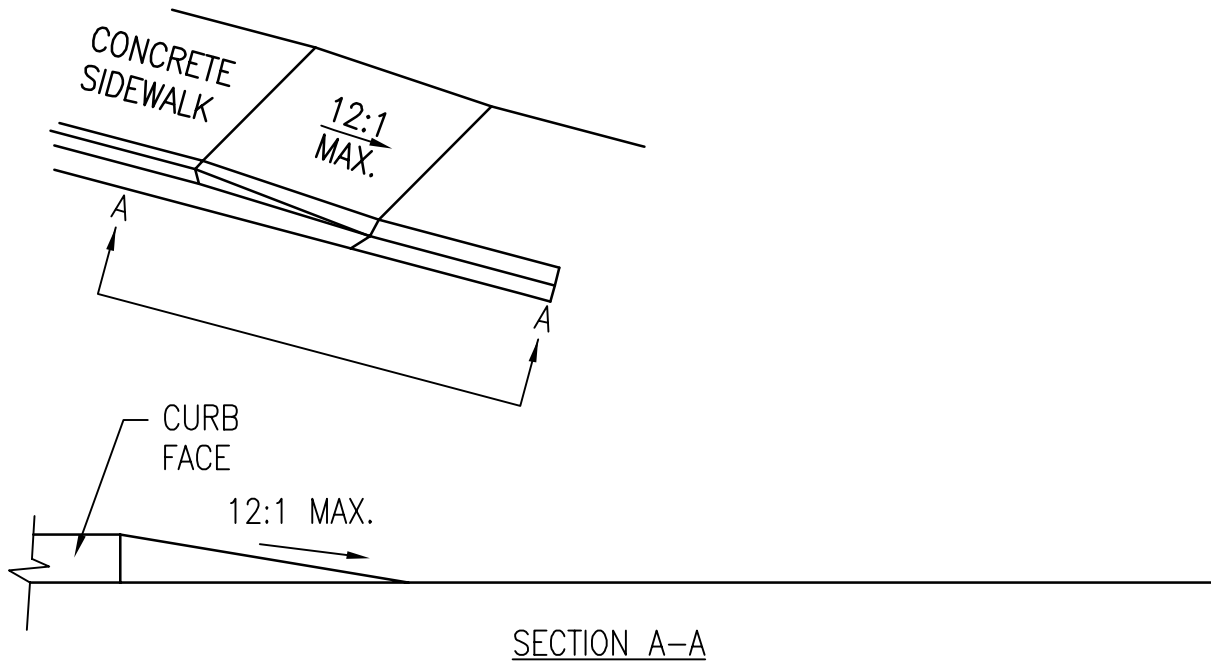
Drawn:	RRF
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Project Number:
565-131

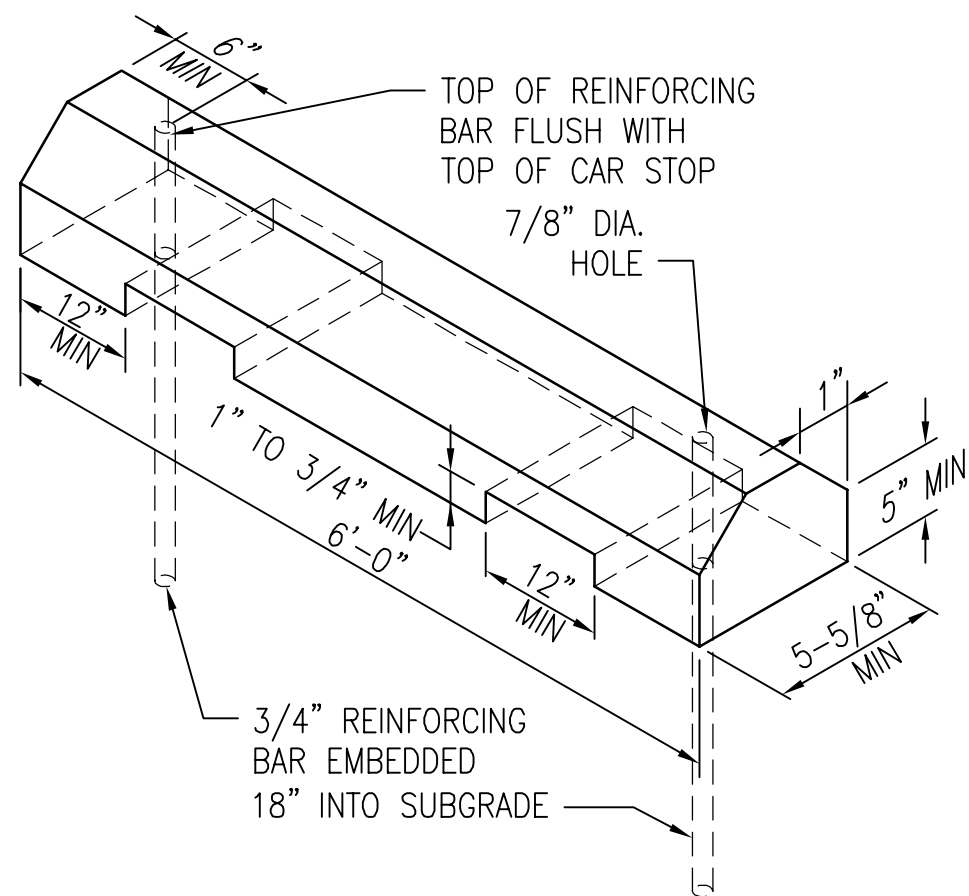
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Drawing Number:

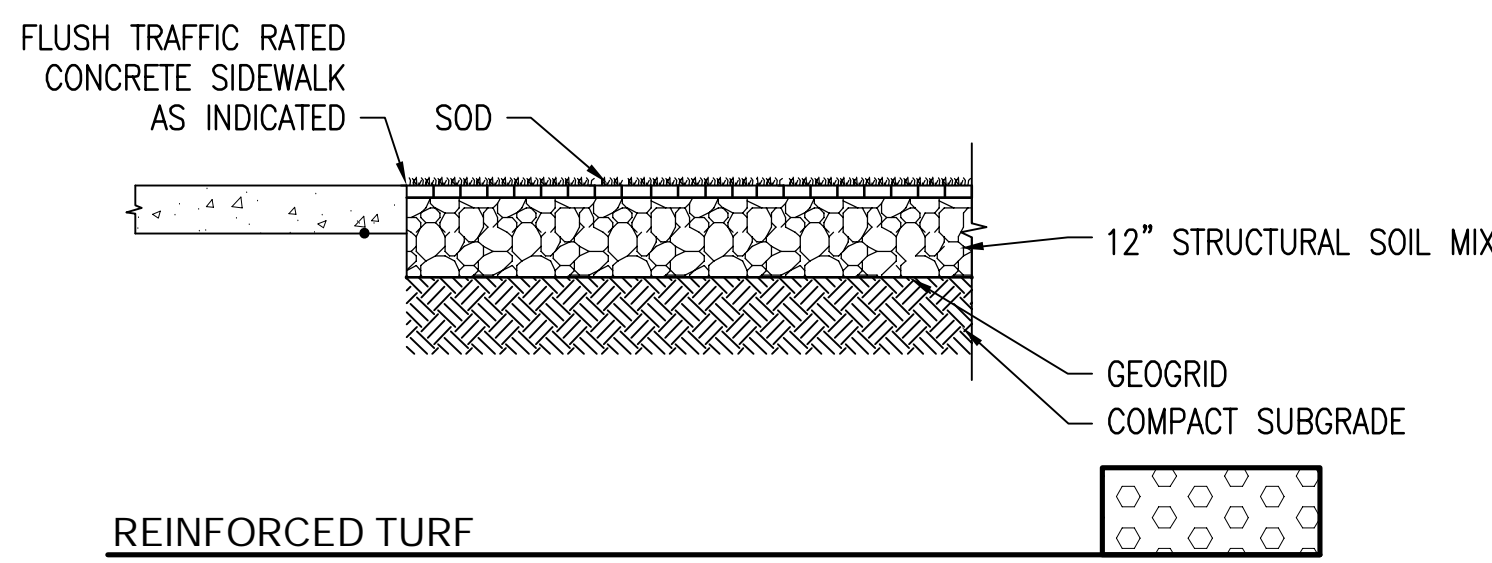
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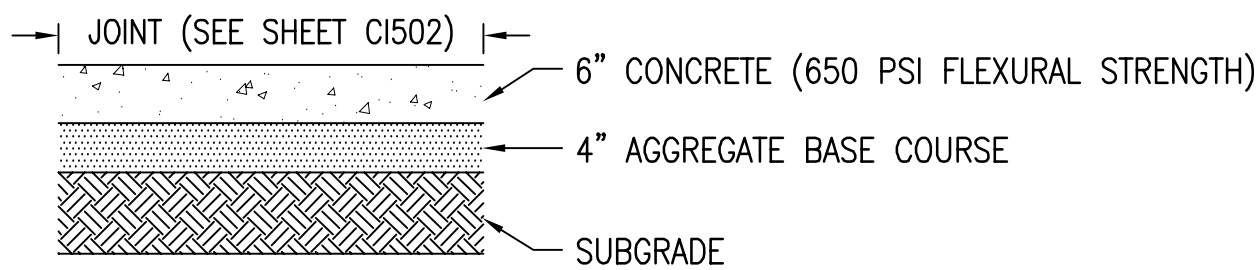
SIDEWALK RAMP
NO SCALE



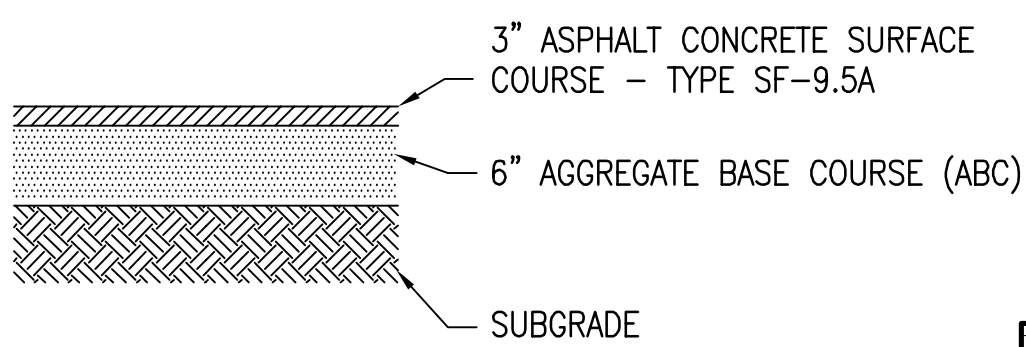
CONCRETE WHEEL STOP
NO SCALE



REINFORCED TURF



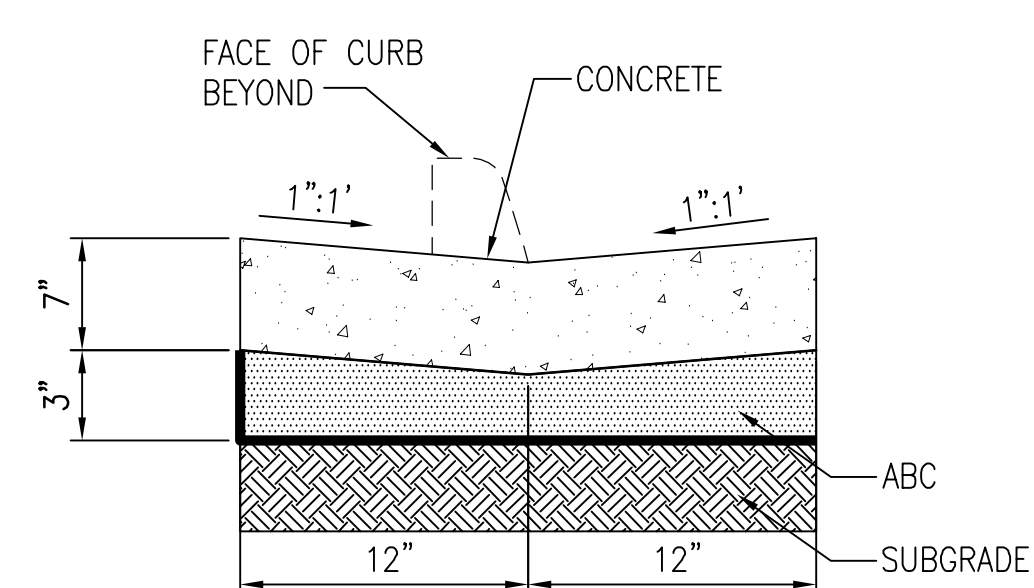
HEAVY DUTY CONCRETE SECTION



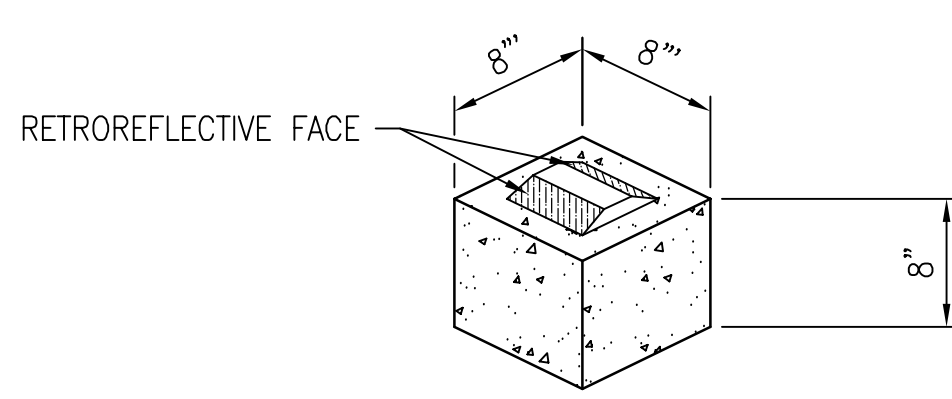
HEAVY DUTY ASPHALT PAVEMENT SECTION

- NOTE:
- PAVEMENT DESIGN OBTAINED FROM SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORT PROVIDED BY ECS CAROLINAS, LLP DATED NOVEMBER 11, 2014.
 - SOLAR REFLECTIVE INDEX (SRI) FOR ALL CONCRETE TO BE GREATER THAN 33.

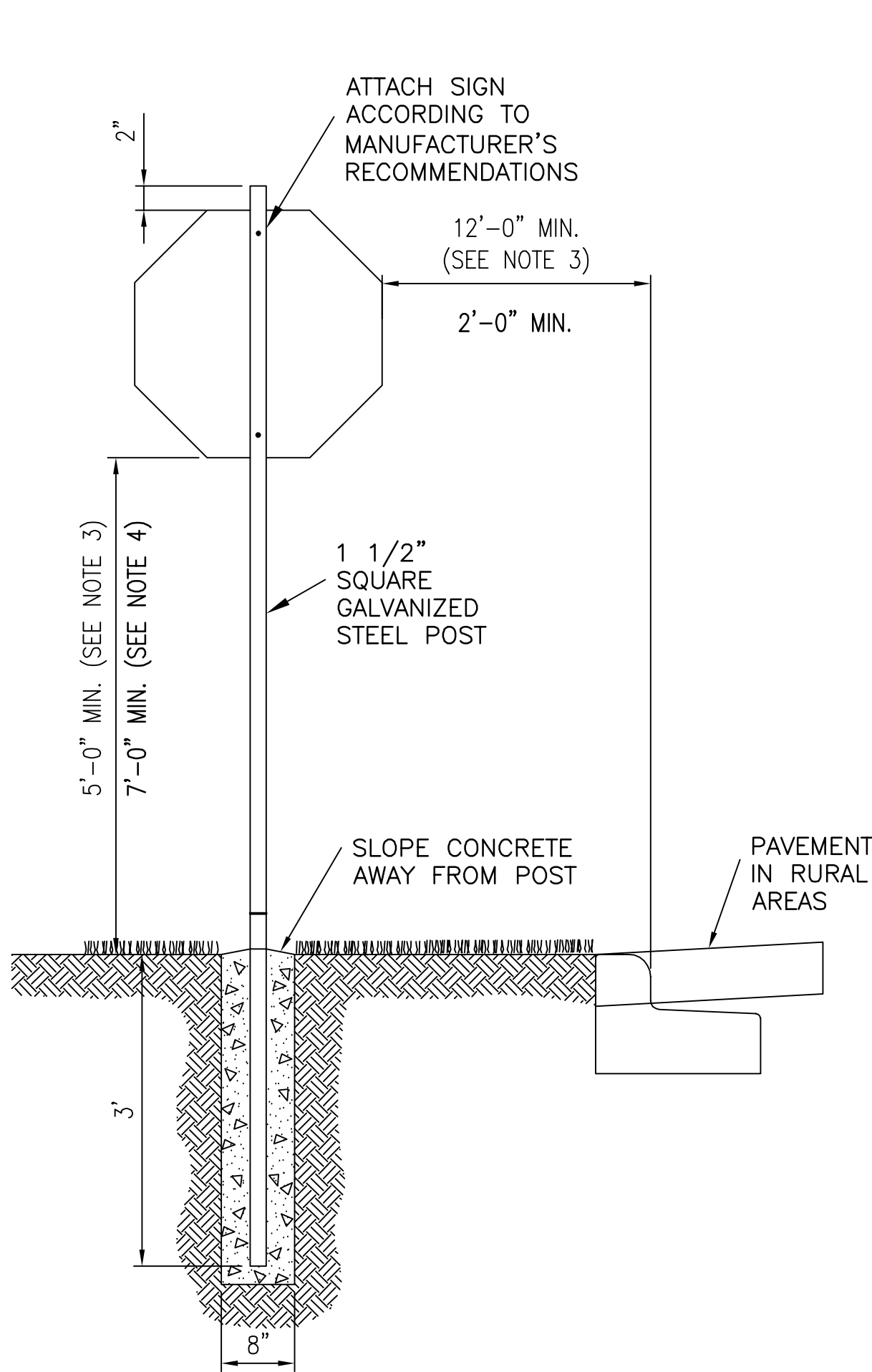
PAVEMENT SECTIONS
NO SCALE



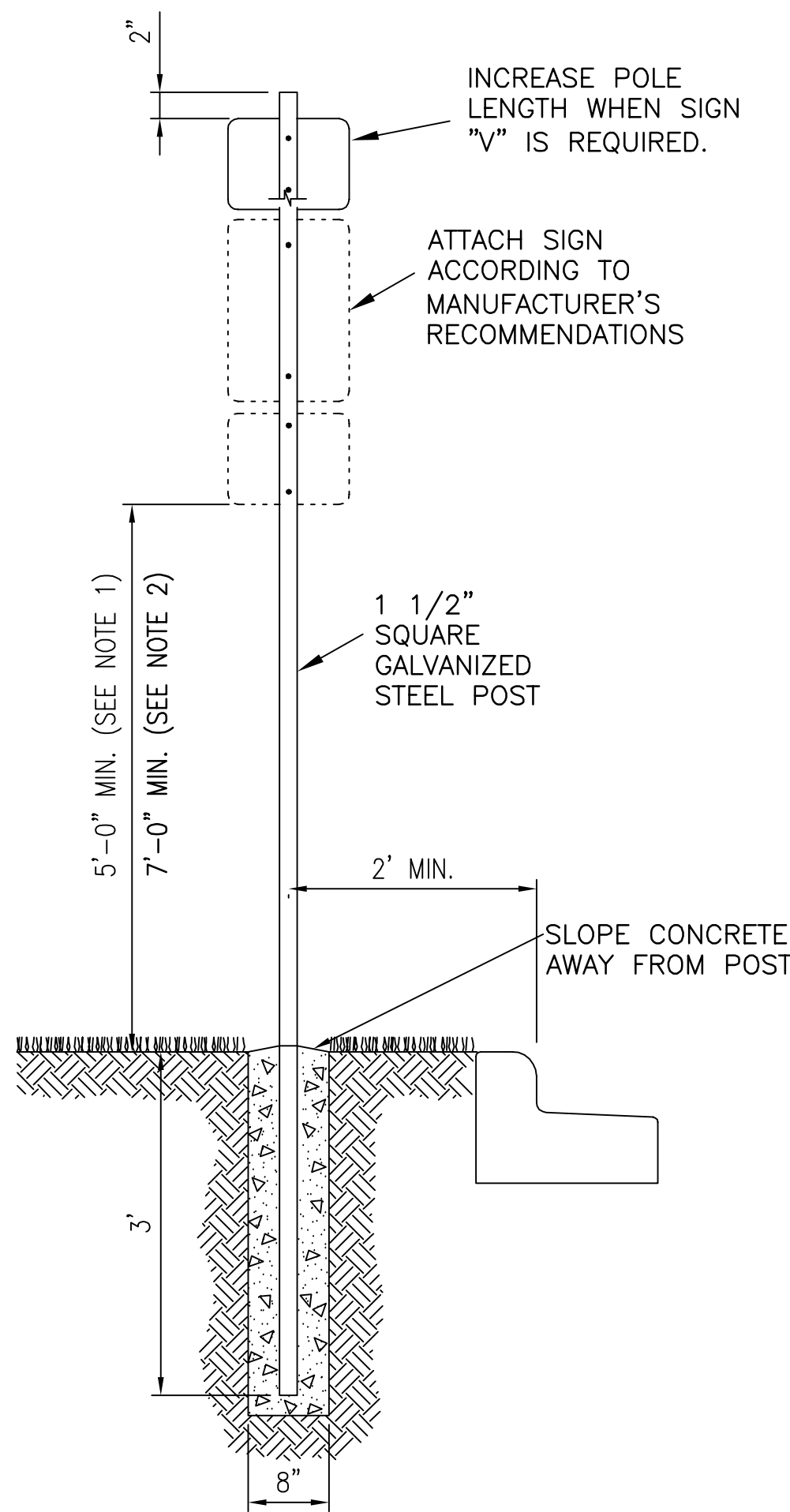
VALLEY GUTTER DETAIL
NO SCALE



EMERGENCY ACCESS DELINEATOR
NO SCALE



TRAFFIC SIGNAGE

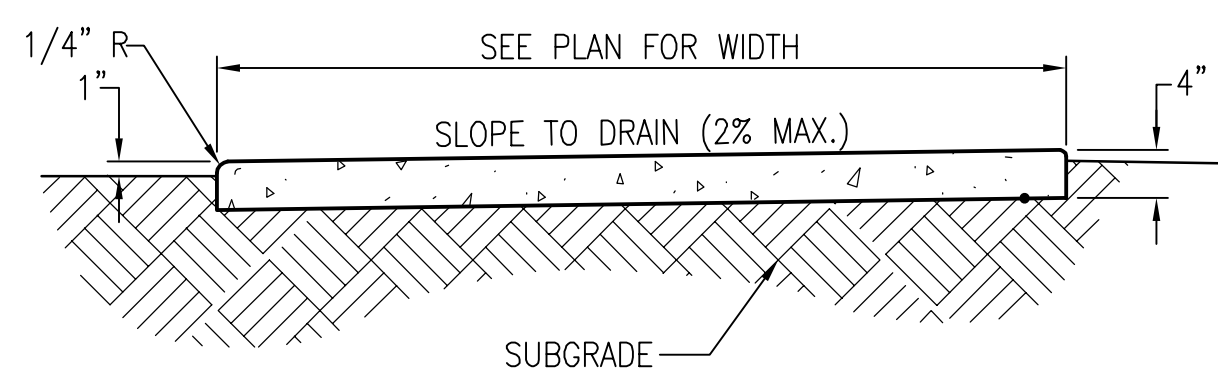


RESERVED PARKING

STANDARD SIGN POST
NO SCALE

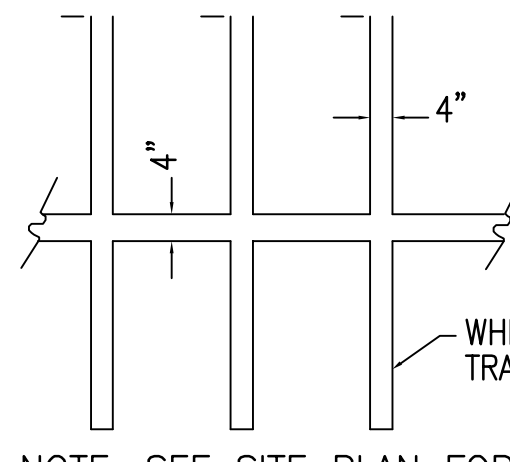
- NOTE:
- THE RESERVED PARKING SIGN IS TO BE 5'-0" IF THE PEDESTRIAN PATH DOES NOT PASS UNDER OR AROUND SIGN.
 - THE RESERVED PARKING SIGN IS TO BE 7'-0" IF THE PEDESTRIAN PATH GOES BY, UNDER, OR AROUND THE SIGN.
 - TRAFFIC SIGNAGE (I.E. STOP, DO NOT ENTER, ETC.) TO BE 7'-0" IN BUSINESS, COMMERCIAL, OR RESIDENTIAL AREAS OR WHERE PEDESTRIAN MOVEMENTS ARE LIKELY TO OCCUR:
HEIGHT: 7'-0" MIN. MEASURED FROM BOTTOM OF SIGN TO ELEVATION AT EDGE OF ADJACENT TRAVEL LANE.
DISTANCE: 2'-0" MIN. FROM EDGE OF SIGN TO EDGE OF ADJACENT TRAVEL LANE.

STANDARD SIGNAGE
NO SCALE

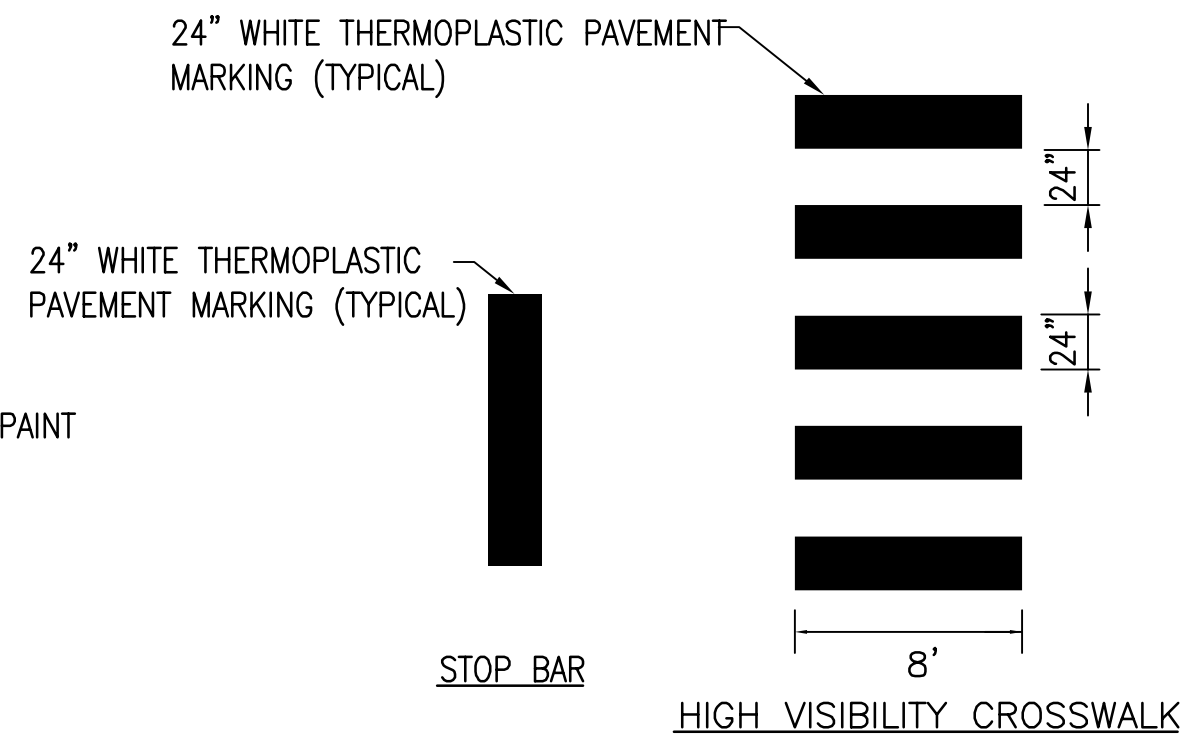


- NOTE:
- CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3500 PSI.

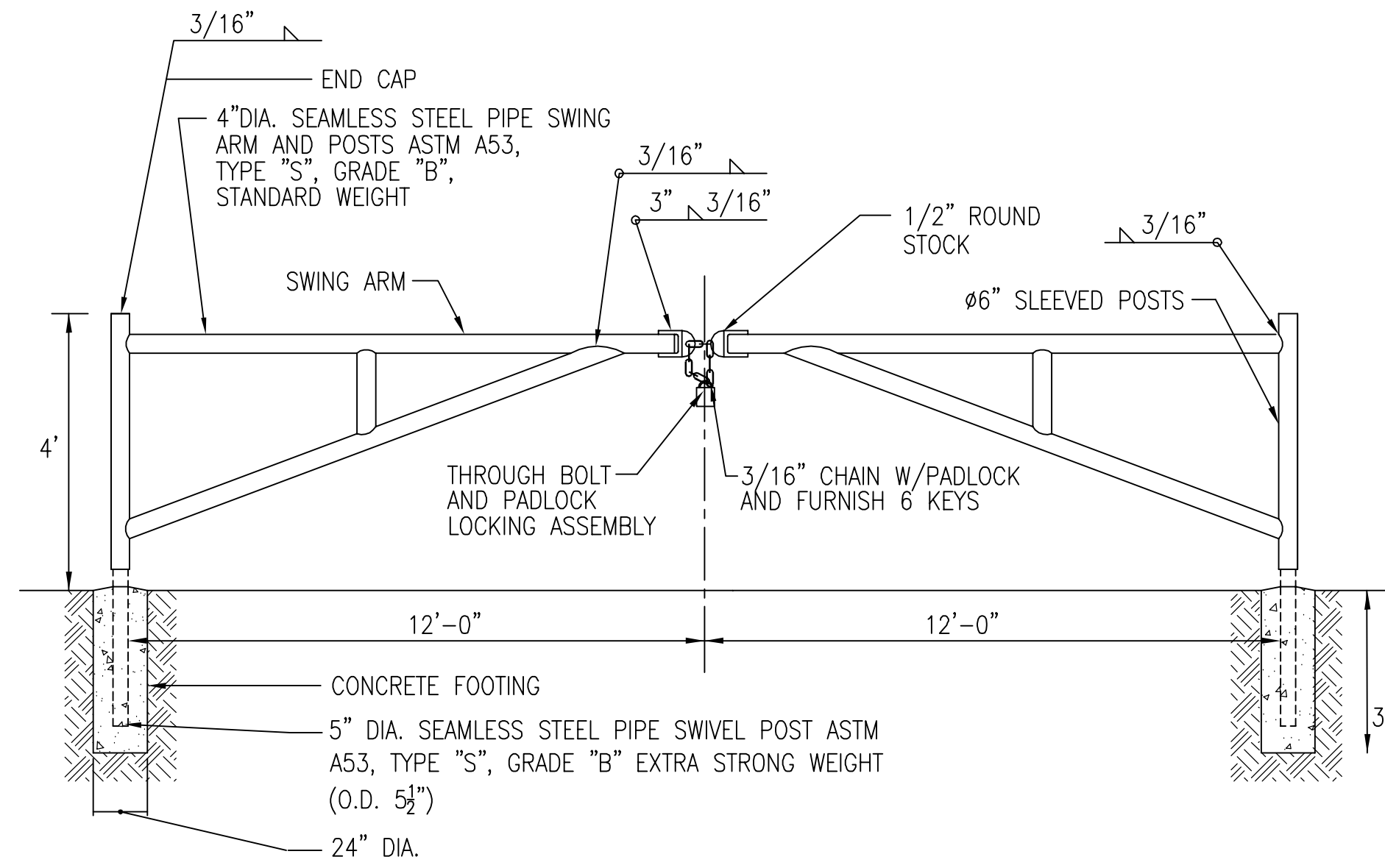
CONCRETE SIDEWALK
NO SCALE



PARKING STALLS

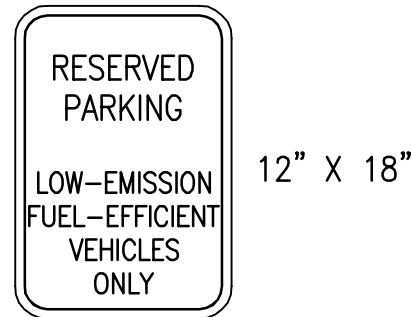


PAVEMENT MARKING DETAILS
NO SCALE

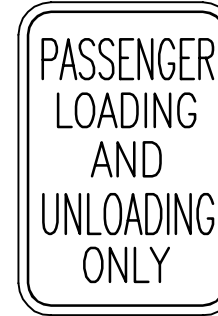


FARM GATE
NO SCALE

CUSTOM SIGN



LOW EMISSION FUEL EFFICIENT PARKING
NO SCALE



PASSENGER LOADING AND UNLOADING ONLY
NO SCALE



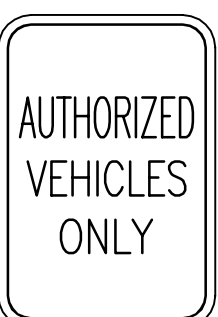
STOP
NO SCALE



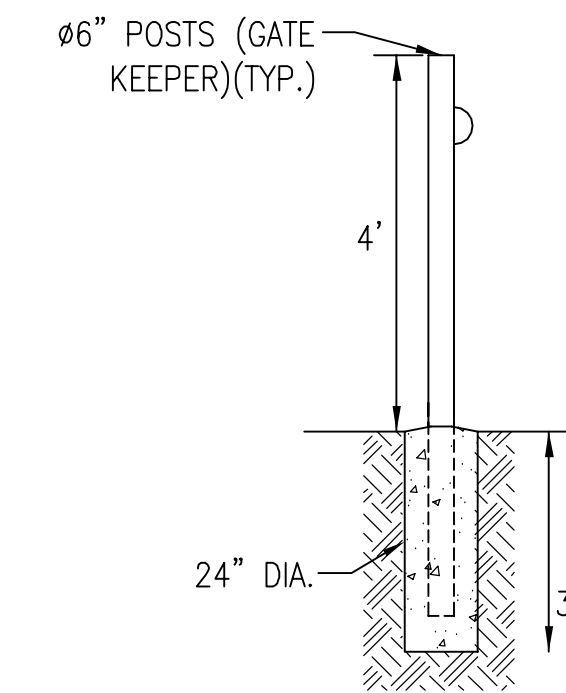
VAN ACCESSIBLE
NO SCALE



CAR POOL ONLY PARKING
NO SCALE



AUTHORIZED VEHICLES ONLY
NO SCALE



- SHOP PRIME PAINT EXPOSED SURFACES FIELD PAINT ENAMEL-YELLOW.
- PROVIDE "MASTER" PADLOCK WITH 6 WORKING KEYS.
- 3,000 PSI CONCRETE FOOTING
- PROVIDE GATE KEEPER FOR EACH SWING ARM PER PLAN VIEW.



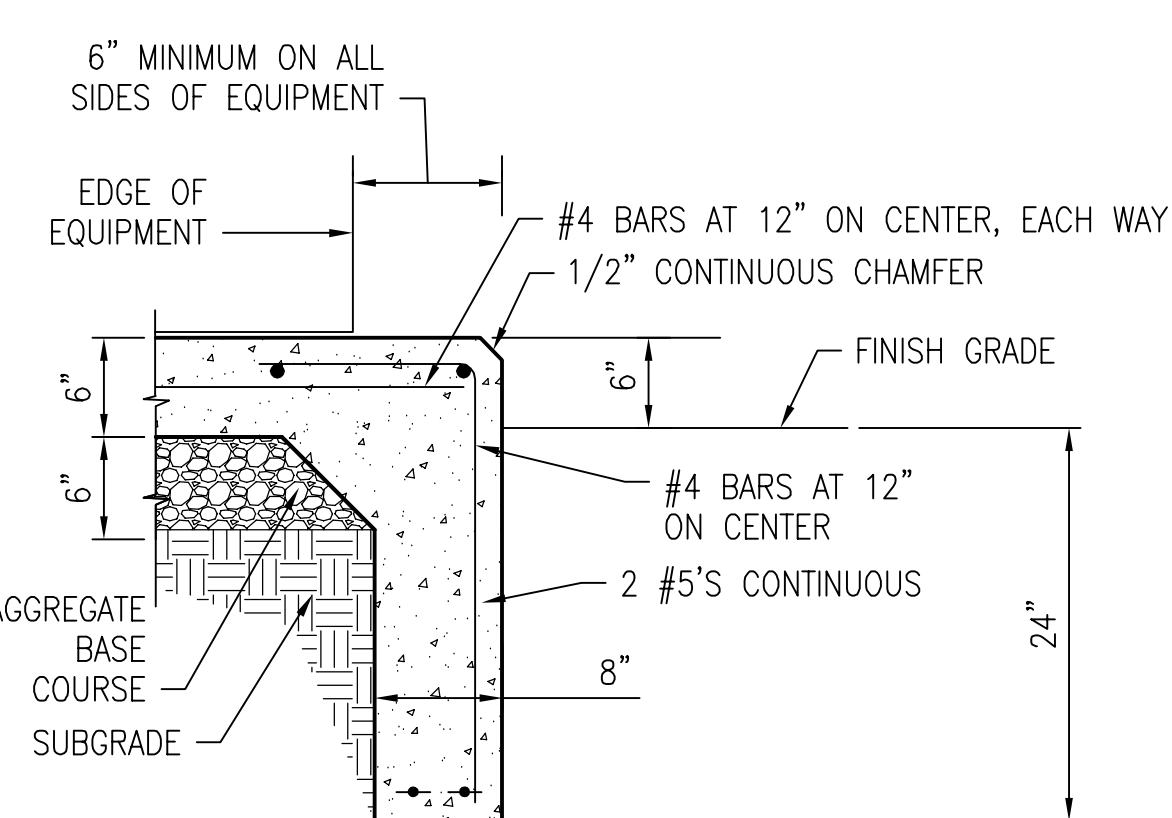
RESERVED PARKING
GREEN
BLUE

MAXIMUM PENALTY \$ 250

BOTH SIGNS SHALL BE SUPPLIED AS A UNIT FOR THIS ITEM DESIGNATION

RESERVED PARKING
NO SCALE

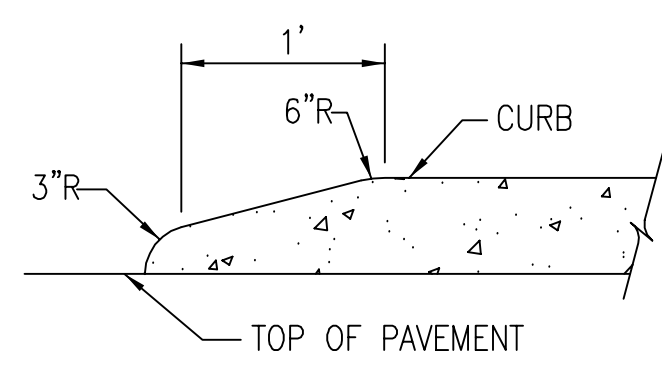
COLORS: BACKGROUND - WHITE
LETTERING - GREEN
BORDER - GREEN
BACK OF SIGN - PAINTED BROWN



- NOTE: MECHANICAL PAD SIZE SHOWN IS BASED ON EQUIPMENT SELECTED AS A BASIS OF DESIGN. CONTRACTOR TO ENSURE FINAL EQUIPMENT PAD DIMENSIONS ARE SIX INCHES LARGER THAN SELECTED EQUIPMENT ON EACH SIDE.

EQUIPMENT PAD

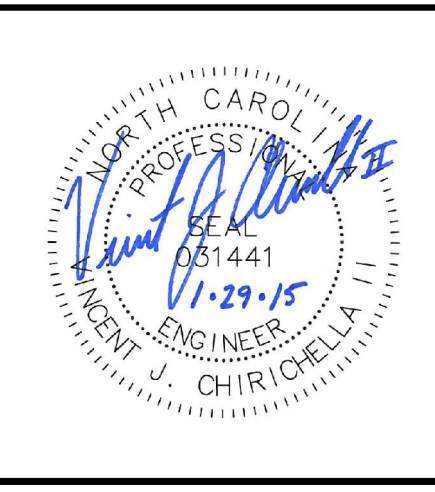
NO SCALE



CURB WIPEDOWN
NO SCALE

Revisions:	Date

CONSULTANTS:
CLARK•NEXSEN
440 MARTIN LUTHER KING, JR. BLVD MACON, GEORGIA 31201
478-743-8415 FAX 478-743-8239 WWW.CLARKNEXSEN.COM CLARK NEXSEN LICENSE #C-1028



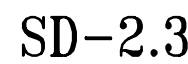
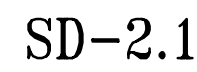
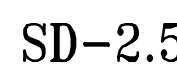
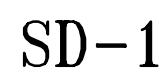
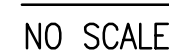
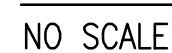
ARCHITECT/ENGINEERS:
TOLAND MIZELL MOLNAR
590 MEANS ST NW ATLANTA GA 30318

Drawing Title:
SITE DETAILS
Approved: Project Director

Project Title:
FAYETTEVILLE CLC PROJECT ONE
Location:
FAYETTEVILLE, NC
Date:
February 5, 2015
Checked:
VAC
Drawn:
RBF

Project Number:
565-131
Building Number:
Drawing Number:
C1501
Dwg. of

FINAL SUBMITTAL
OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
Department of Veterans Affairs



CONSULTANTS:

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CLARK NEXSEN LICENSE #C-1028



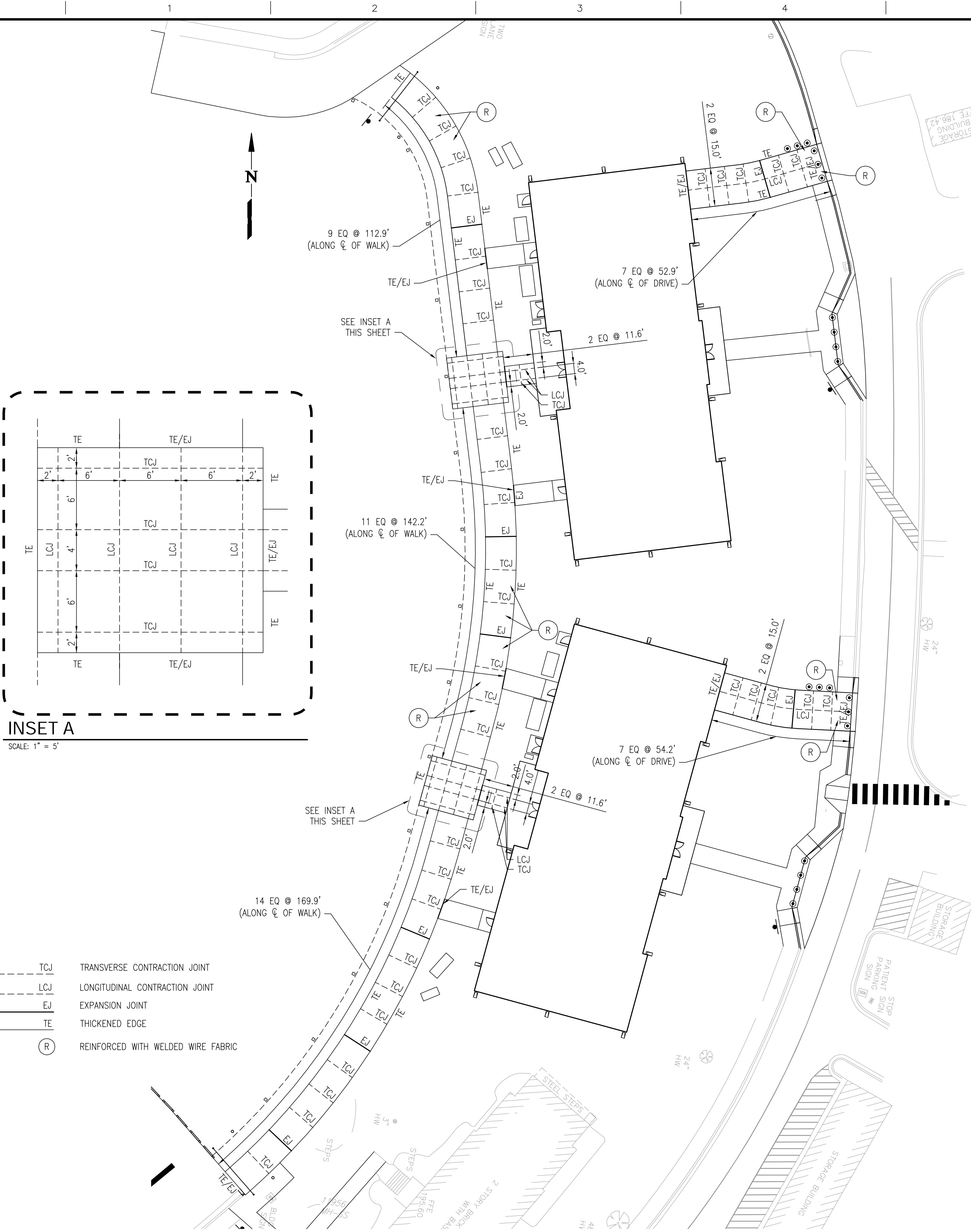
SITE DETAILS

FAYETTEVILLE CLO
PROJECT ONE

Project Number:	565-131
Building Number:	

OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT

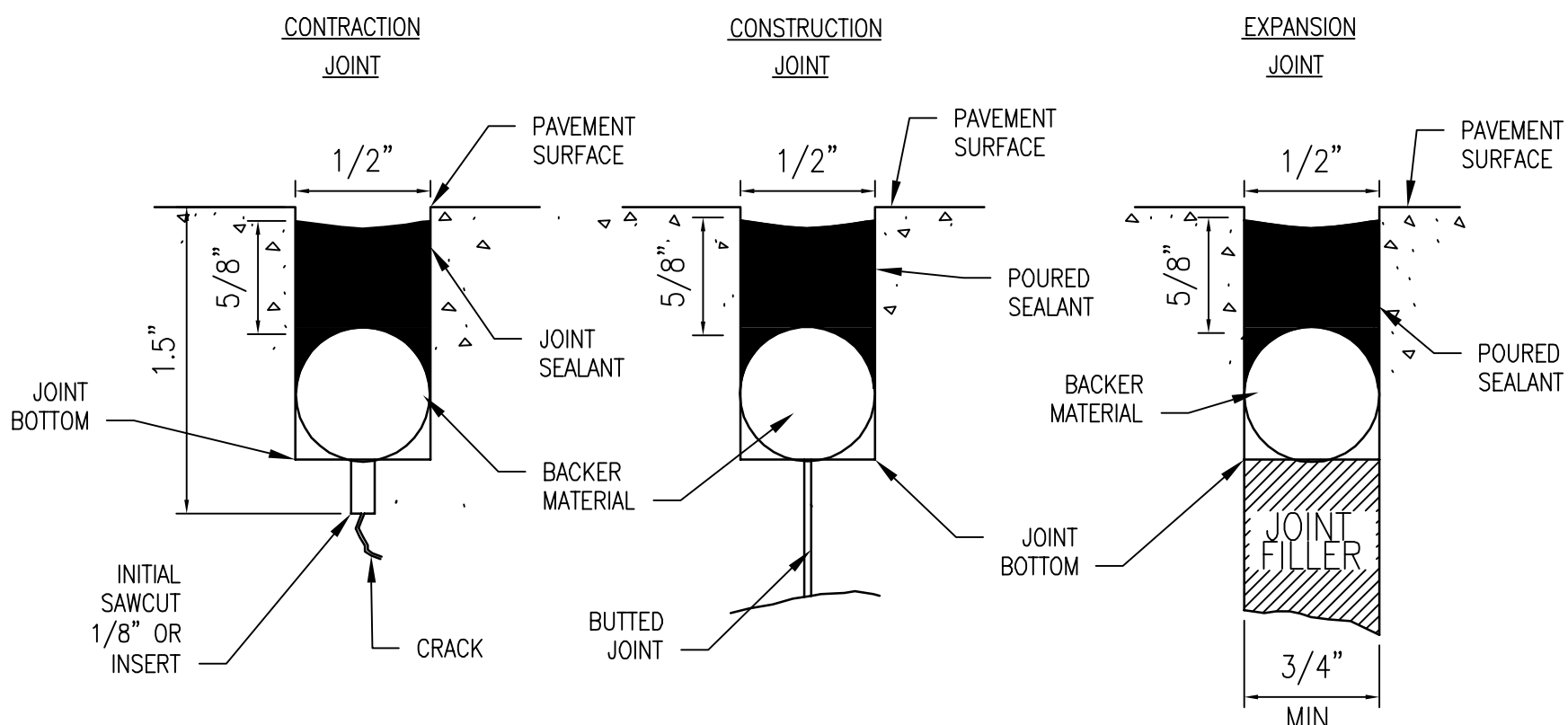




INSET A
SCALE: 1" = 5'

- TCJ TRANSVERSE CONTRACTION JOINT
--- LCJ LONGITUDINAL CONTRACTION JOINT
--- EJ EXPANSION JOINT
--- TE THICKENED EDGE
(R) REINFORCED WITH WELDED WIRE FABRIC

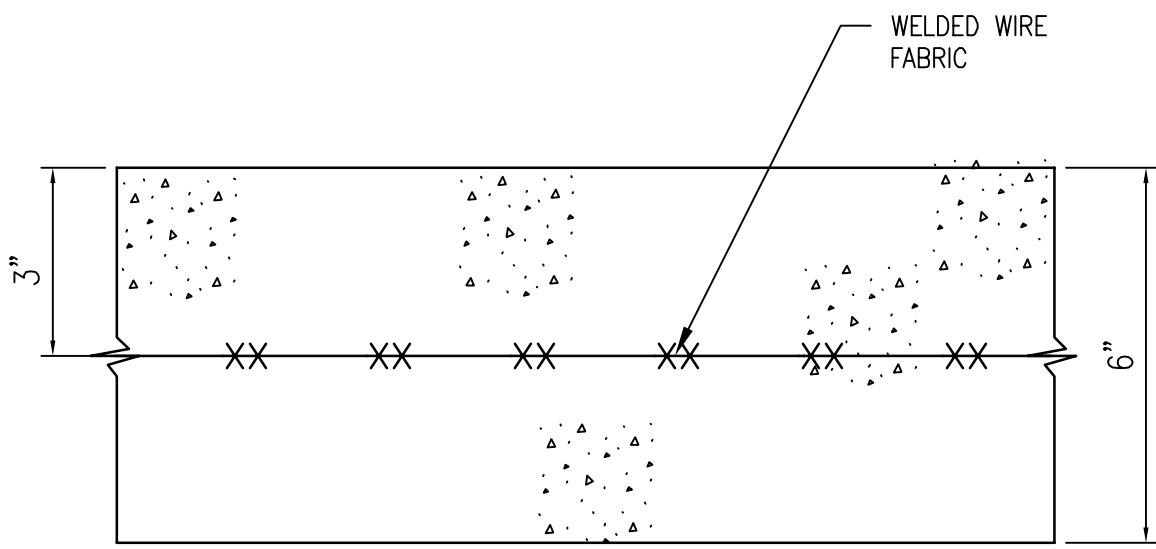
CONCRETE PAVEMENT JOINT LAYOUT PLAN



- NOTES ON POURED JOINT SEALANT:
1. TOP OF SEALANT WILL BE 1/4" BELOW TOP OF PAVEMENT.

JOINT SEALANT

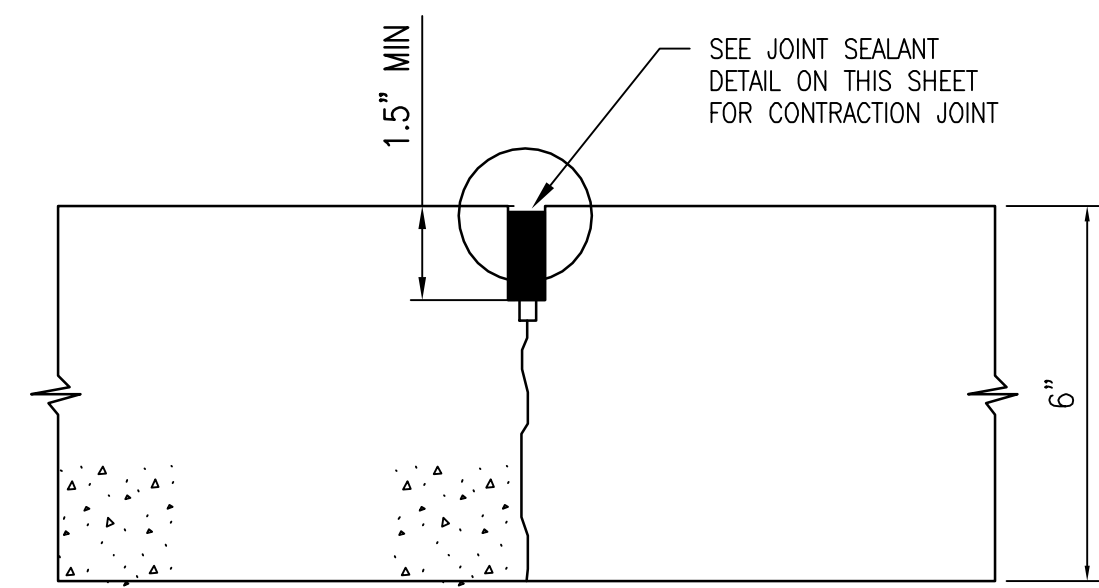
NO SCALE



- NOTES :
1. CONCRETE PAVEMENT STEEL REINFORCEMENT SHALL BE WELDED WIRE FABRIC 6X6-W4XW4.
2. WELDED WIRE FABRIC SHALL BE MATS, NOT ROLLED.
3. STEEL REINFORCEMENT SHALL END 3\"/>

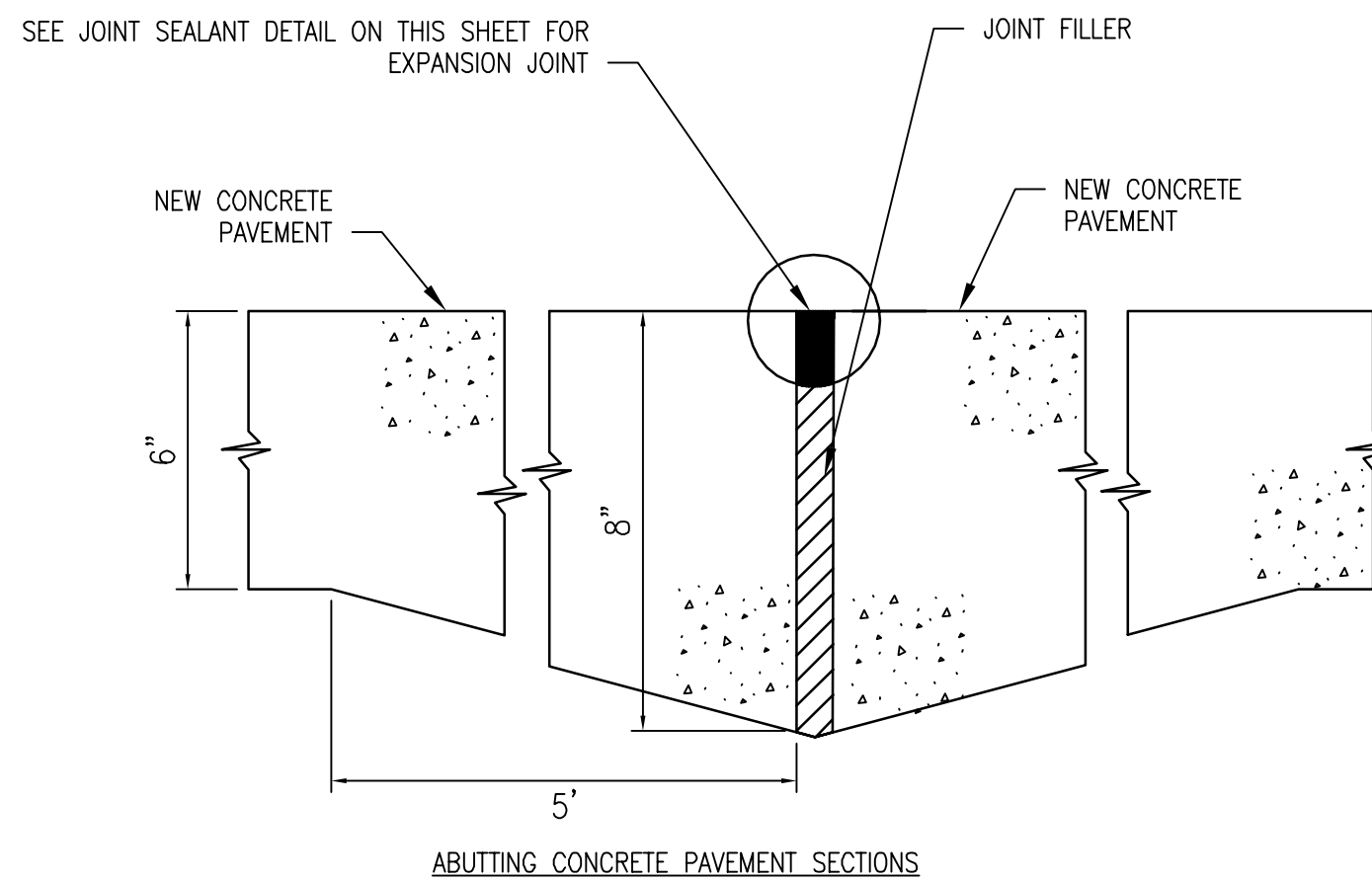
REINFORCED SLAB (R)

NO SCALE



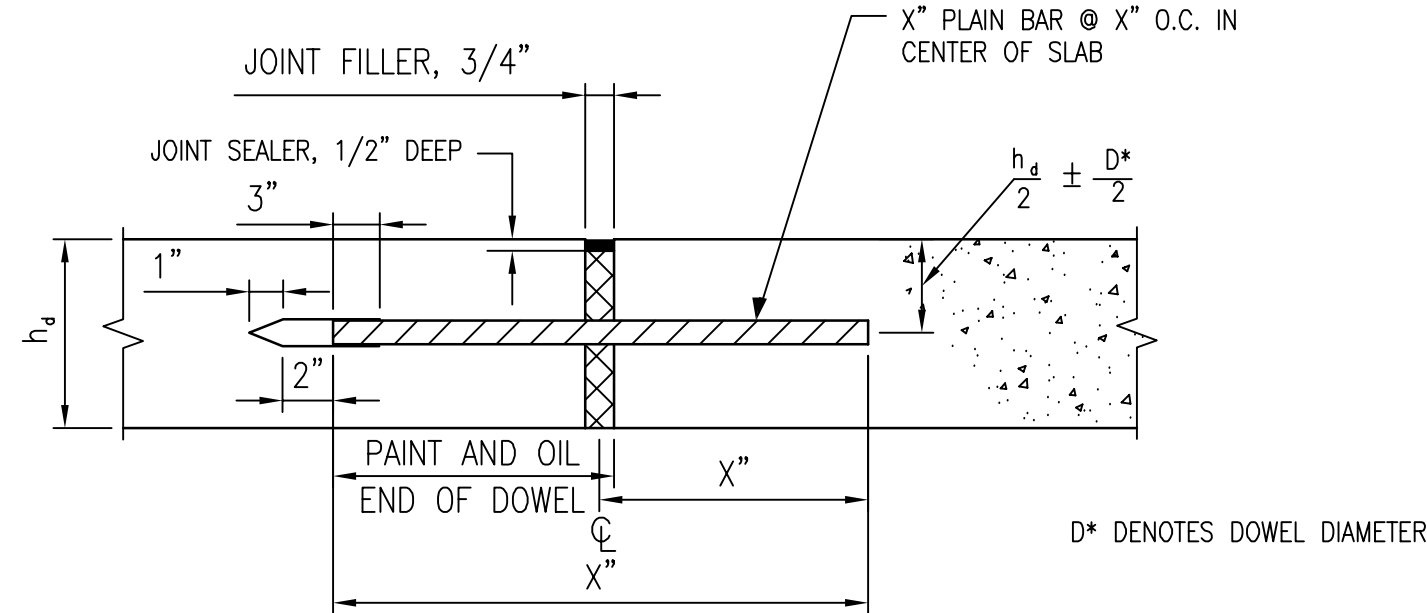
CONTRACTION JOINT (TCJ)(LCJ)

NO SCALE



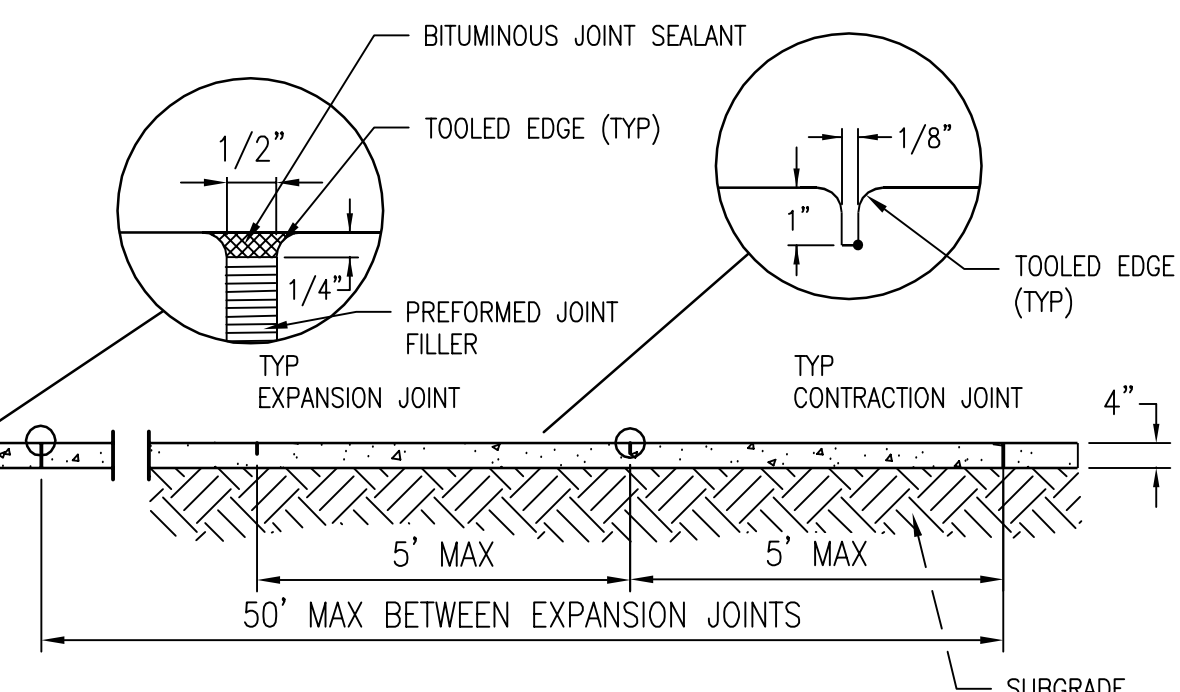
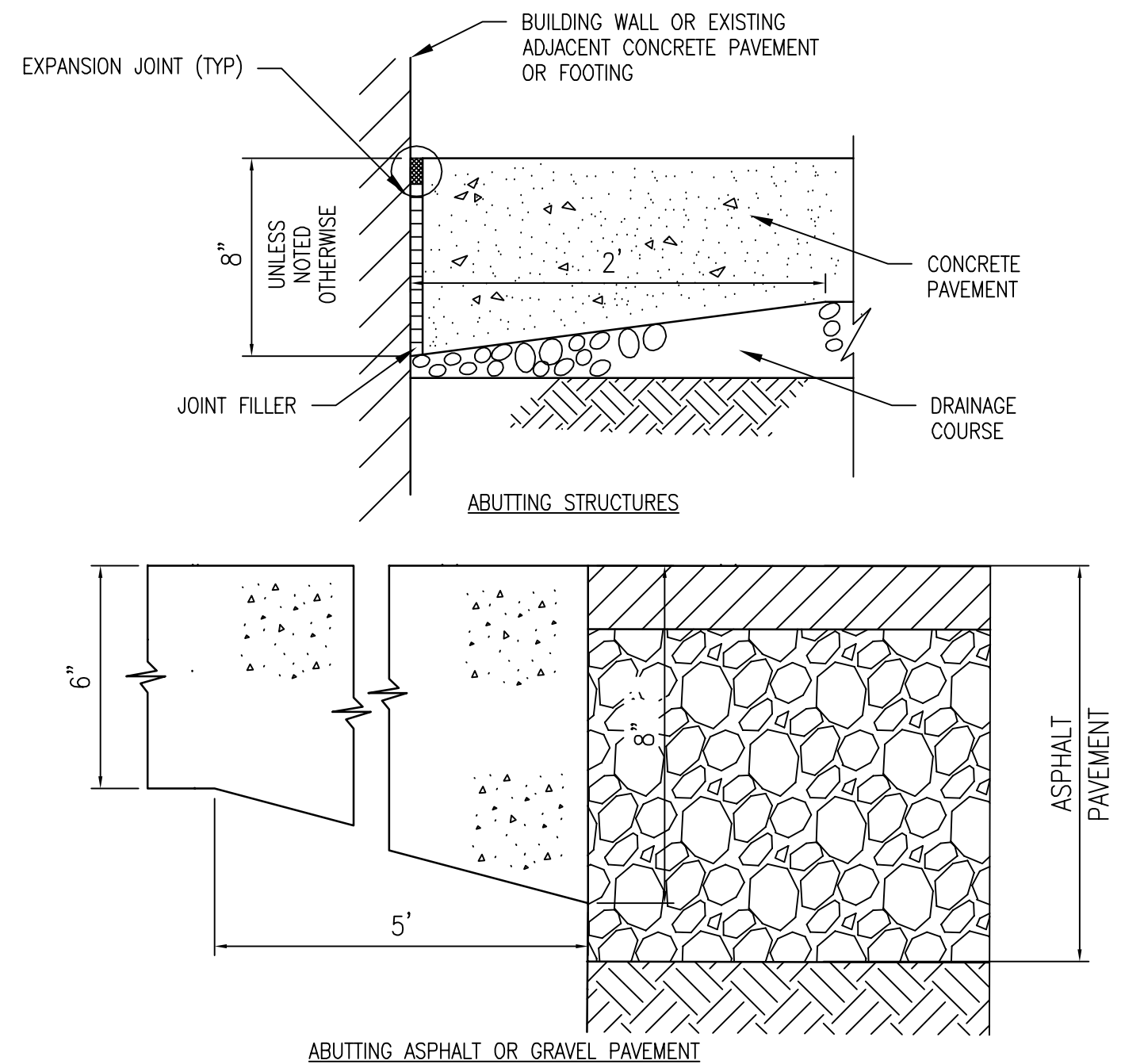
EXPANSION JOINT - THICKENED EDGE (TE-EJ)

NO SCALE



EXPANSION JOINT (EJ)

NO SCALE



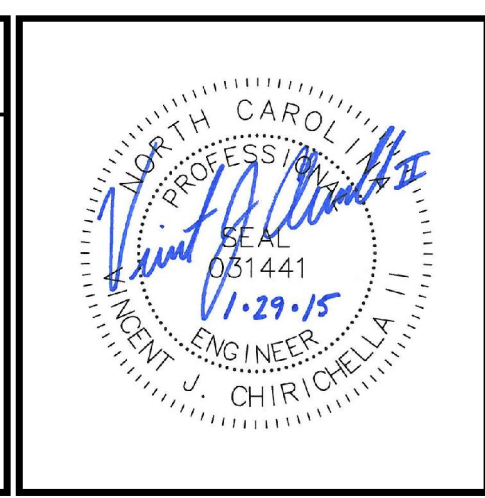
- NOTES:
1. FOR SIDEWALK WIDTHS SEE PLAN VIEW.
2. AT DRIVEWAY APRONS, SIDEWALKS SHALL MATCH APRON THICKNESS.

TYPICAL JOINT LAYOUT FOR CONCRETE SIDEWALKS

NO SCALE

Revisions:	Date

CONSULTANTS:
CLARK•NEXSEN 440 MARTIN LUTHER KING, JR. BLVD MACON, GEORGIA 31201 478-743-8415 FAX 478-743-8239 WWW.CLARKNEXSEN.COM CLARK NEXSEN LICENSE #C-1028



ARCHITECT/ENGINEERS:
TOLAND MIZELL MOLNAR 590 MEANS ST NW ATLANTA GA 30318

Drawing Title:
PAVEMENT JOINT LAYOUT PLAN AND DETAILS
Approved: Project Director

Project Title:
FAYETTEVILLE CLC PROJECT ONE
Location:
FAYETTEVILLE, NC
Date:
February 5, 2015
Checked:
VAC
Drawn:
RBF

Project Number:
565-131
Building Number:
.
Drawing Number:
C1503
Dwg. of

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OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT

Department of
Veterans Affairs



GENERAL NOTES

1. CONCRETE STORM PIPES SHALL BE CLASS III CONCRETE UNLESS OTHERWISE NOTED WITH RUBBER GASKET JOINTS IN ACCORDANCE WITH ASTM C443.
2. WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, NEW GRADE SHALL MATCH EXISTING GRADE.

GRAPHIC SCALE



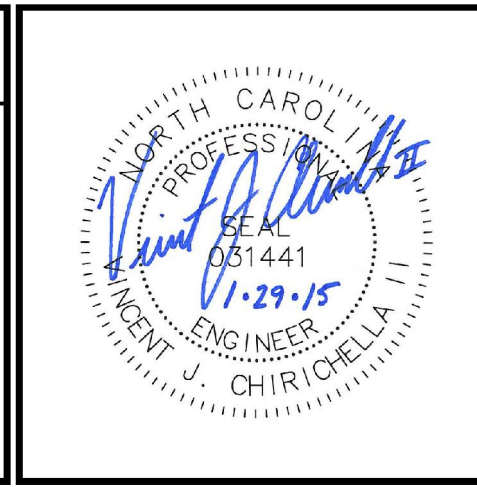
Revisions:	Date

CONSULTANTS:

CLARK•NEXSEN

440 MARTIN LUTHER KING, JR. BLVD
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CLARK NEXSEN LICENSE #C-1028



ARCHITECT/ENGINEERS:

TOLAND MIZELL MOLNAR

590 MEANS ST NW ATLANTA GA 30318

Drawing Title:

GRADING AND DRAINAGE PLAN

Approved: Project Director

Project Title:

FAYETTEVILLE CLC PROJECT ONE

Location:

FAYETTEVILLE, NC

Date:

February 5, 2015

Checked:

VAC

Drawn:

RBF

Project Number:

565-131

Building Number:

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Drawing Number:

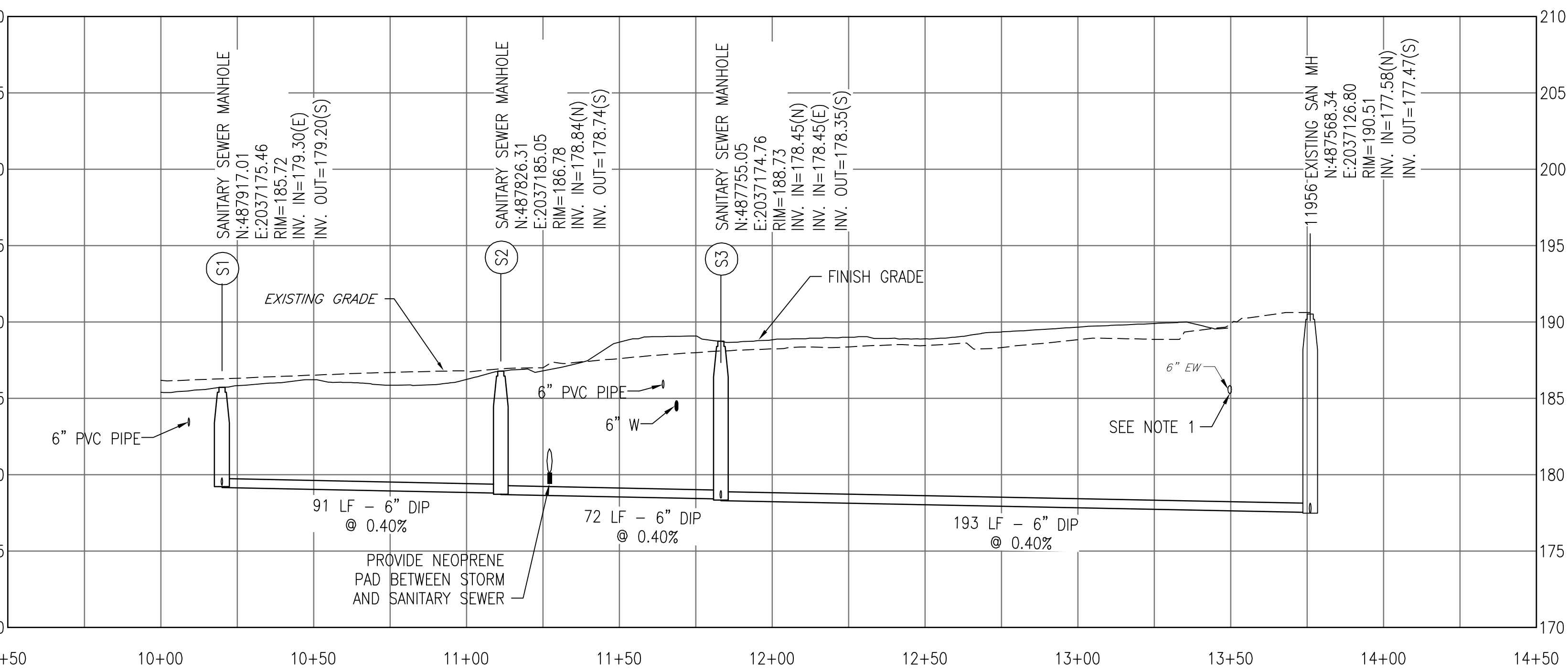
CG101

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OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT

Department of Veterans Affairs



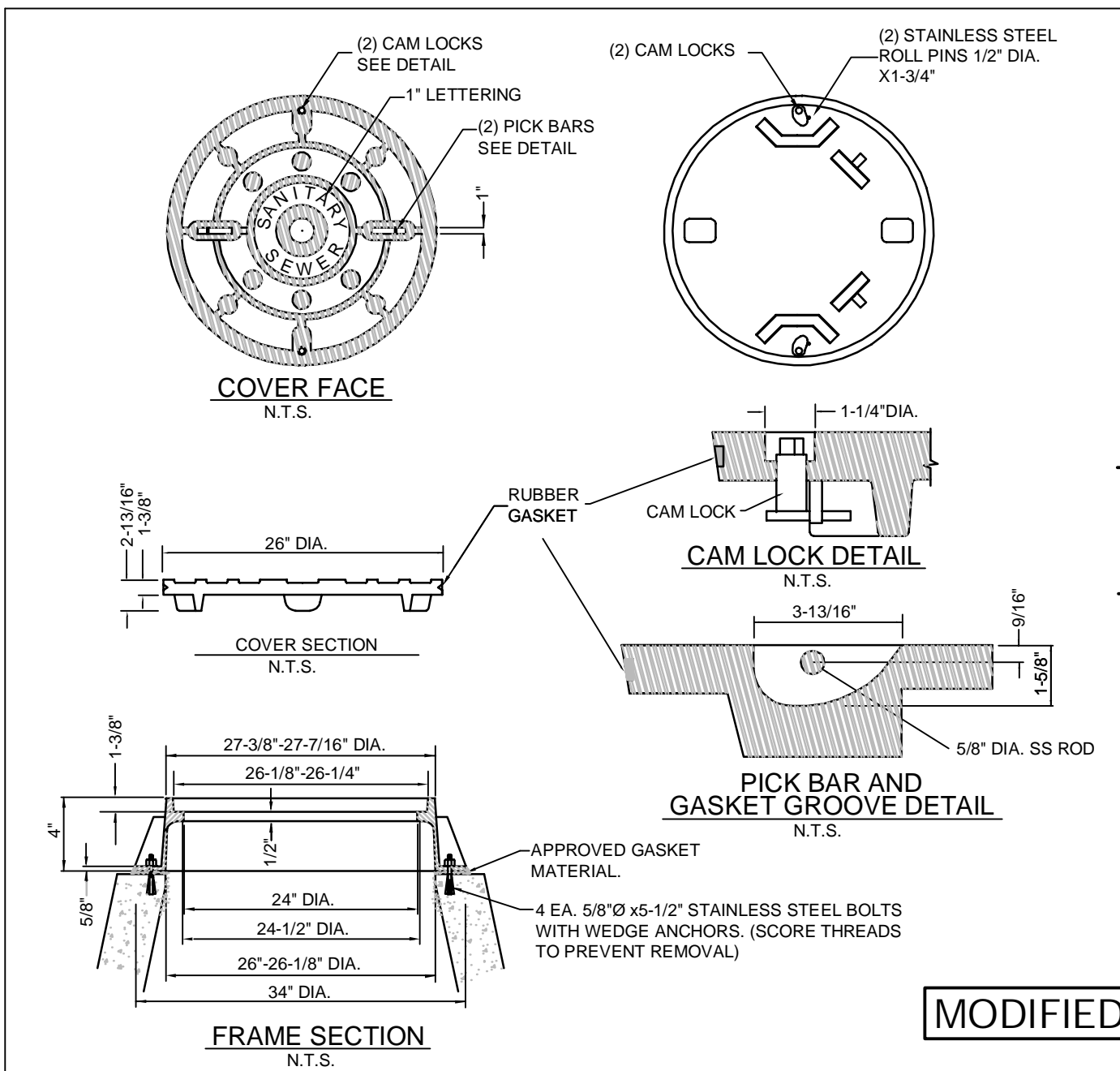
SANITARY SEWER S1 TO EX SMH 11956 PROFILE

HORIZ: 1"=30'

VERT: 1"=6'

NOTES:

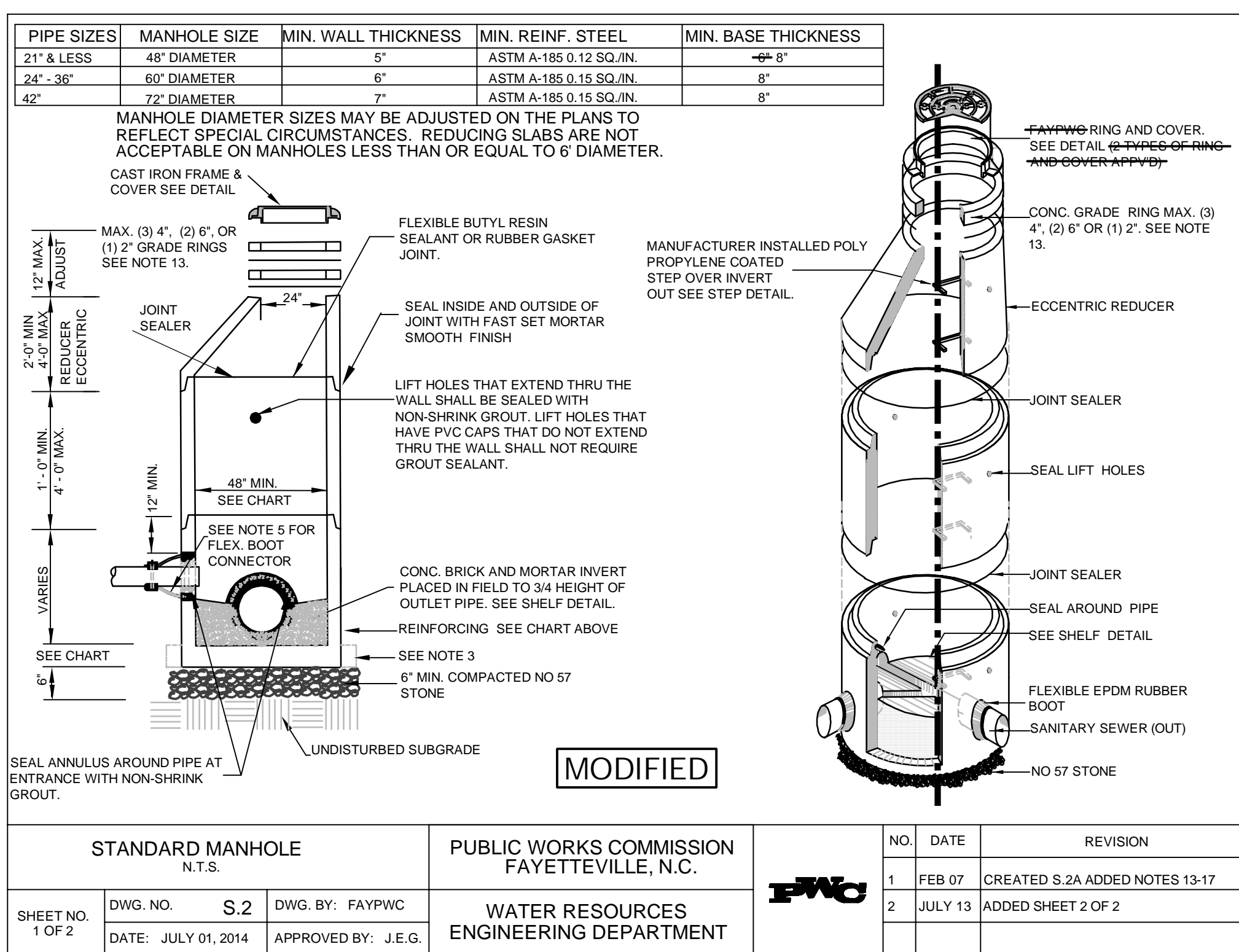
- 1. DEPTH OF EXISTING WATER MAIN CROSSING BASED ON TYPICAL COVER REQUIREMENT OF 4'. PRIOR TO SANITARY SEWER INSTALLATION, PERFORM TEST HOLE ON EXISTING WATER MAIN AT CROSSING LOCATION TO DETERMINE IF THERE IS A MINIMUM OF 24" SEPARATION WITH NEW SEWER. CONTACT ENGINEER BEFORE PROCEEDING WITH WORK IF LESS THAN 24" OF SEPARATION IS PRESENT.
- 2. SANITARY MANHOLE NORTHING/EASTING COORDINATES REPRESENT THE CENTER OF THE STRUCTURE'S BASE.



- NOTES:
- 1. MANHOLE FRAME AND COVER TO BE MADE OF GRAY CAST IRON CONFORMING TO ASTM SPEC. A48-63, CLASS 35. MANUFACTURED BY SAME MANUFACTURER. ALL CASTINGS SHALL CONFORM TO THE SHAPE AND DIMENSIONS SHOWN. THEY SHALL BE CLEAN AND PERFECT, WITHOUT BLOW OR SAND HOLES OR DEFECTS OF ANY KIND, TENDING TO IMPAIR THEIR STRENGTH. NO PLUGGING OR STOPPING OF DEFECTIVE HOLES WILL BE PERMITTED.
- 2. CASTINGS SHALL BE UNPAINTED AND SHALL HAVE THE LETTERS "FAYETTEVILLE, NC" CAST INTO COVER. LETTERS SHALL BE RAISED AND CLEARLY VISIBLE.
- 3. MANHOLE RING AND COVER SHALL WITHSTAND H-20 VEHICULAR TRAFFIC.
- 4. MINIMUM AVERAGE WEIGHT: PLUS OR MINUS 5% RING 155 LBS. COVER 160 LBS. UNIT 315 LBS.
- 5. PERFORATED COVERS WILL NOT BE ALLOWED.
- 6. SUPPLY SOCKET FOR TURNING CAM LOCK MECHANISM. ONE SOCKET PER PROJECT.
- 7. USE OF CONCRETE OR OTHER MATERIALS NOT ALLOWED UNLESS APPROVED BY THE FAYETTEVILLE ENGINEER.
- 8. THIS DETAIL IS TO BE USED ON ALL MANHOLES LOCATED OUTSIDE OF PAVED AREAS, UNLESS OTHERWISE APPROVED.
- 9. REFER TO DETAIL S-17 FOR INSTALLATION OF 4-INCH GRADE.

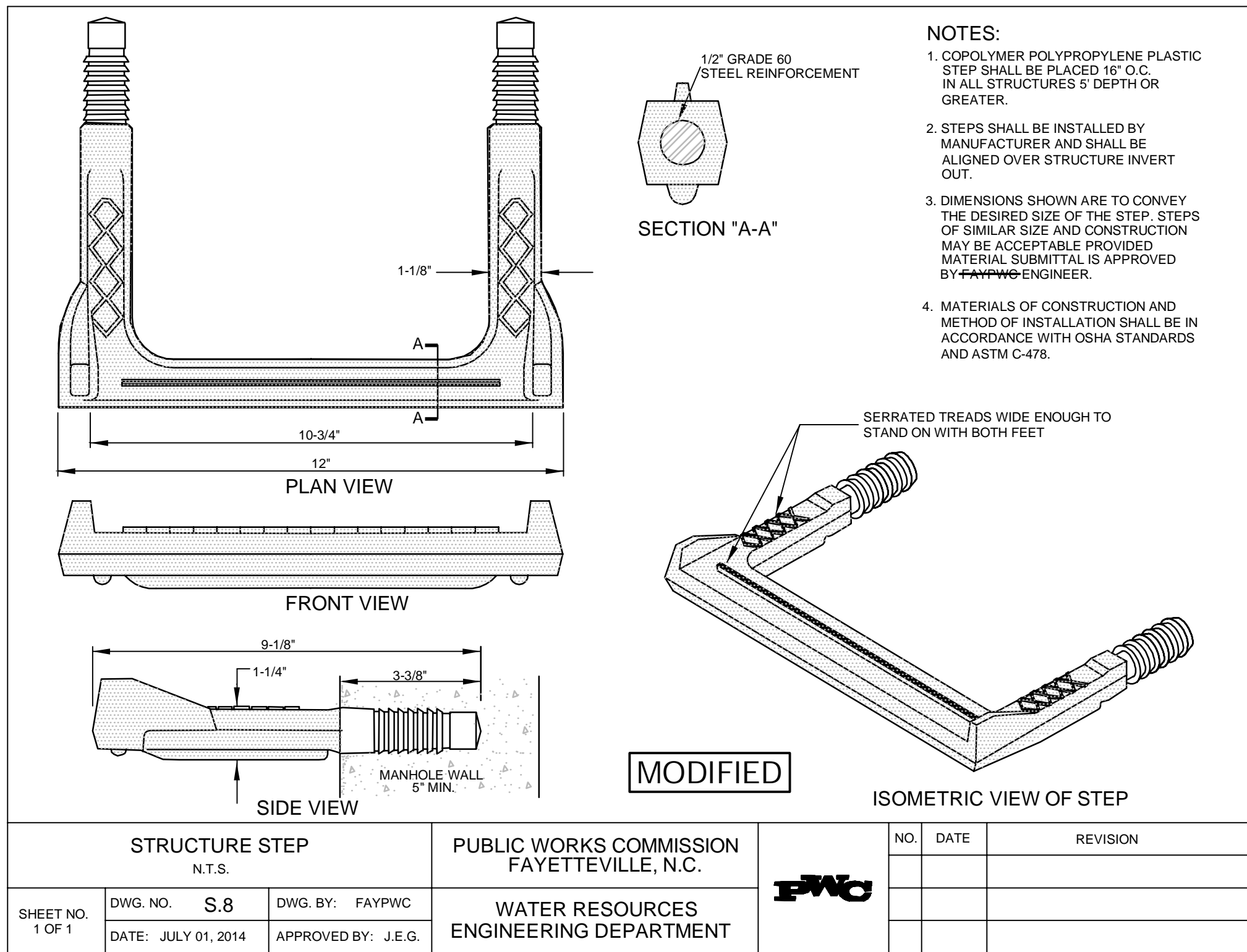
STANDARD NON-TRAFFIC AREA MANHOLE RING AND COVER WITH WIPER GASKET & CAM LOCK N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. S.6	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	JUL 08	REVISED NOTE ON FRAME SECTION ADDED NOTE 7 & 8
2	DEC 08	REVISED DIMENSIONS ON FRAME SECTION
3	JUL 09	REVISED NOTES ON FRAME SECTION/REVISED NOTE 3



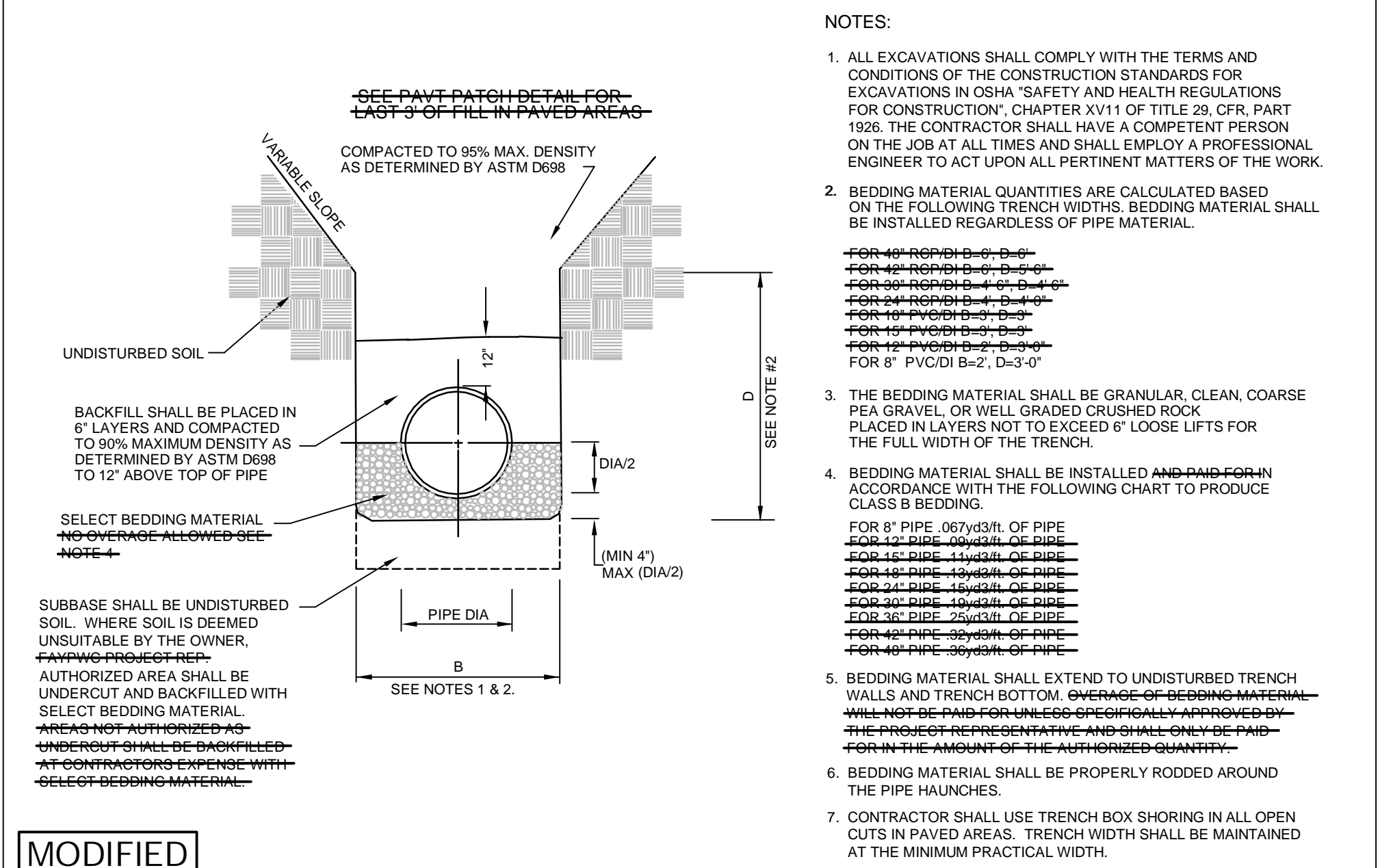
STANDARD MANHOLE N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. S.2	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	FEB 07	CREATED S.2A ADDED NOTES 13-17
2	JULY 13	ADDED SHEET 2 OF 2



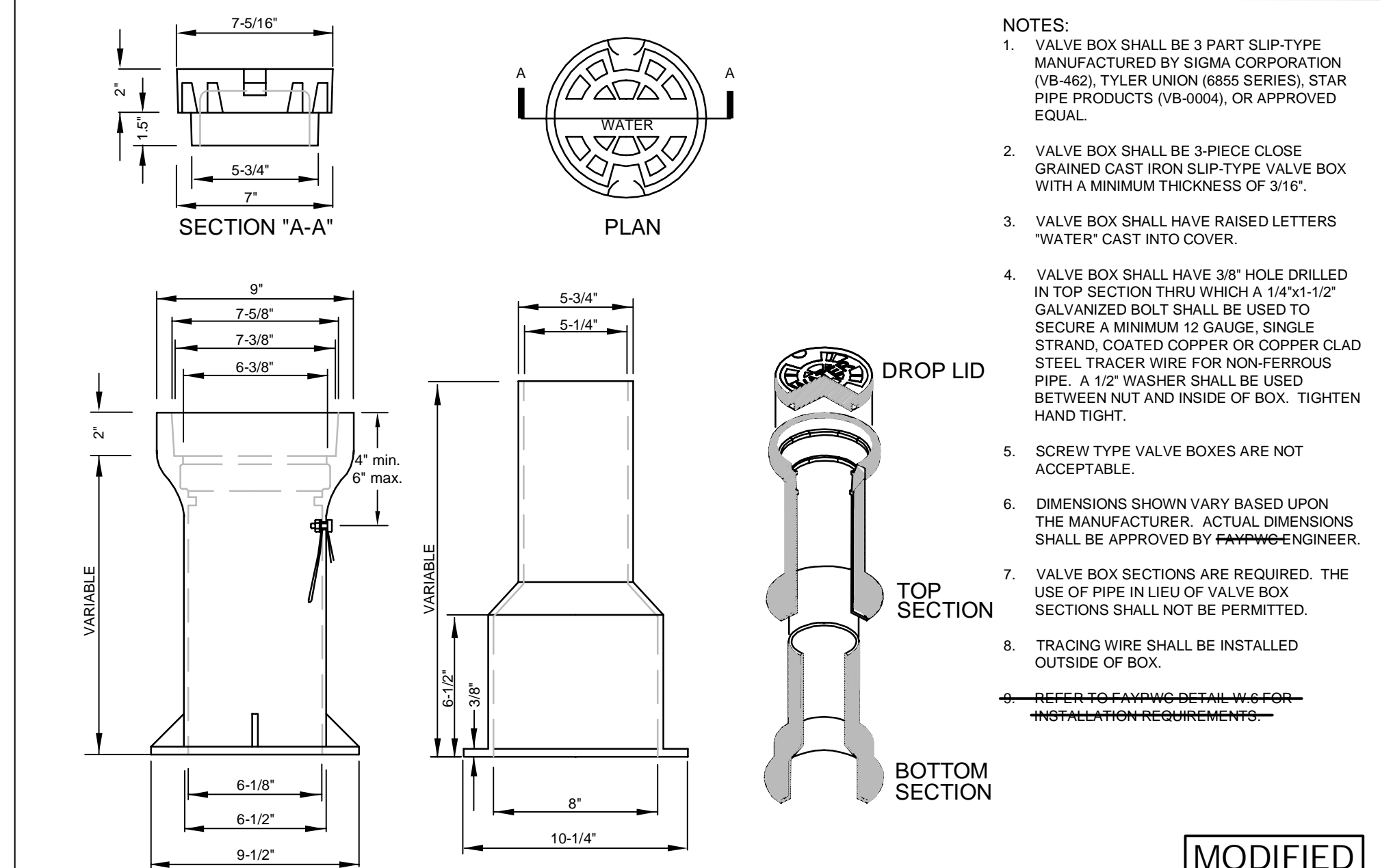
STRUCTURE STEP N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. S.8	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	FEB 07	CREATED S.2A ADDED NOTES 13-17
2	JULY 13	ADDED SHEET 2 OF 2



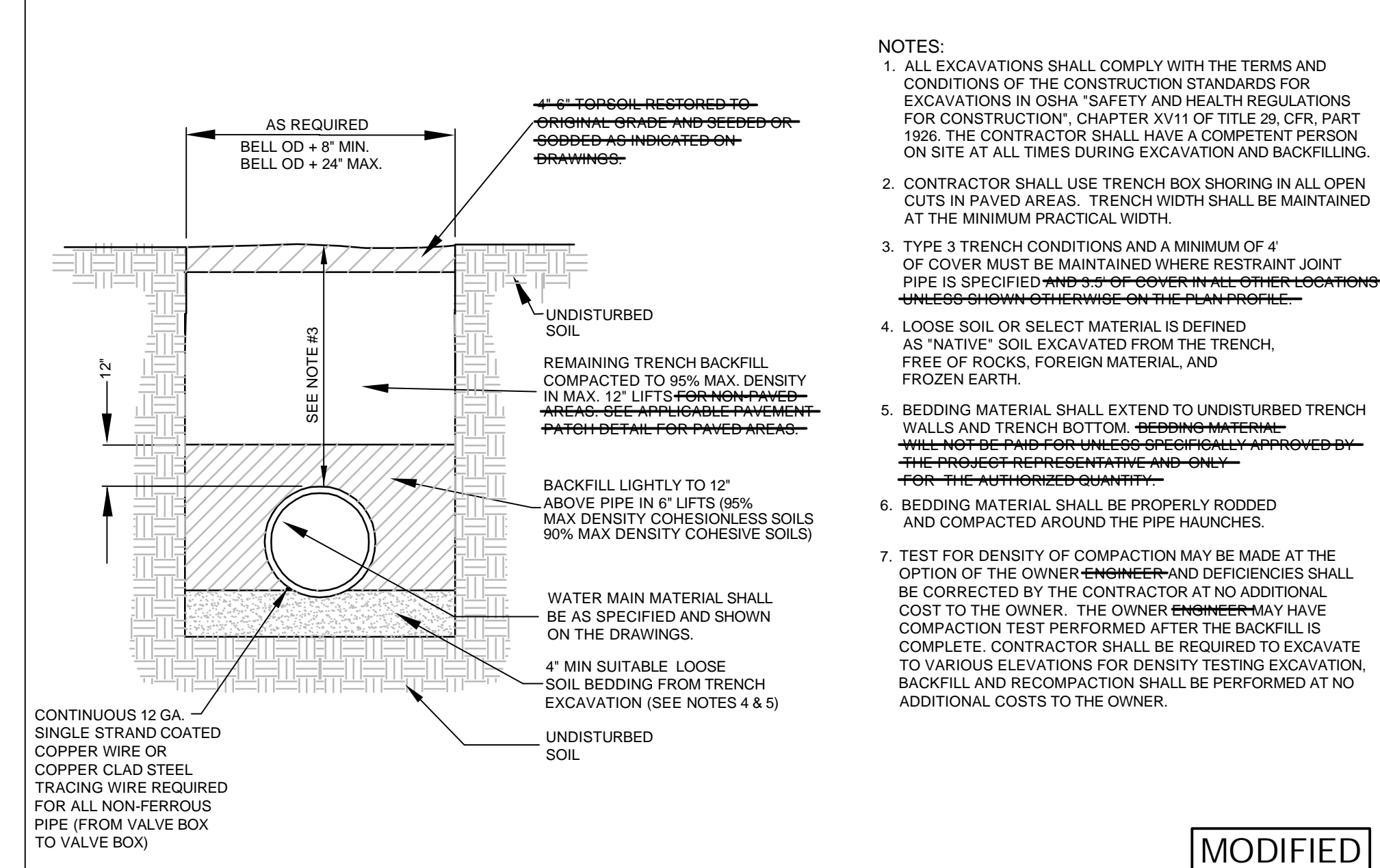
SEWER BEDDING N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. S.13	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	JAN 05	REVISED NOTES



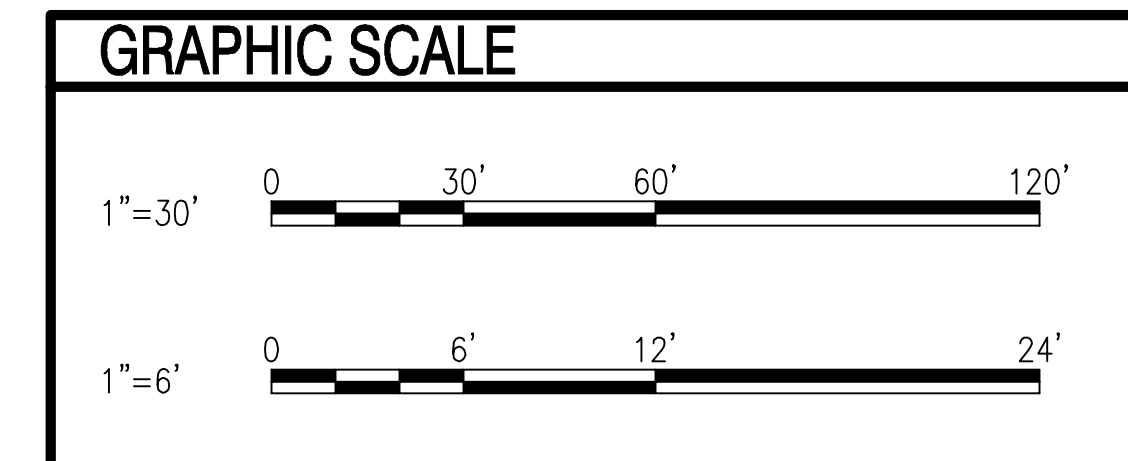
VALVE BOX N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. W.7	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	JAN 05	REVISED NOTES



TYPE 3 TRENCH WATER MAIN BEDDING DETAIL N.T.S.		PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
DWG. NO. W.19	DWG. BY: FAY/PWC	WATER RESOURCES ENGINEERING DEPARTMENT	
DATE: JULY 01, 2014	APPROVED BY: J.E.G.		

NO.	DATE	REVISION
1	7/1/13	REVISED NOTE RE: TRACER WIRE



Revisions:

VA FORM 08-6231 CN 5119

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Drawing Title:

UTILITY PROFILE AND DETAILS

Project Title:

FAYETTEVILLE CLC PROJECT ONE

Location:

FAYETTEVILLE, NC

Date:

February 5, 2015

Checked:

W.C.

Drawn:

RBF

Project Number:

565-131

Building Number:

.

Drawing Number:

CU201

Dwg. of

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FINAL SUBMITTAL

OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT

Department of Veterans Affairs